



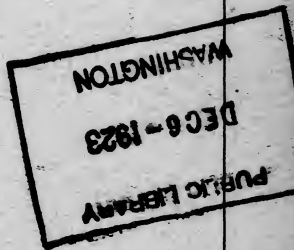
68TH CONGRESS }
1st Session }

HOUSE OF REPRESENTATIVES

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ANNUAL REPORT OF THE
COMMISSIONERS OF THE
DISTRICT OF COLUMBIA
YEAR ENDED JUNE 30, 1923

Vol. III
REPORT OF
THE HEALTH OFFICER



WASHINGTON
GOVERNMENT PRINTING OFFICE
1923



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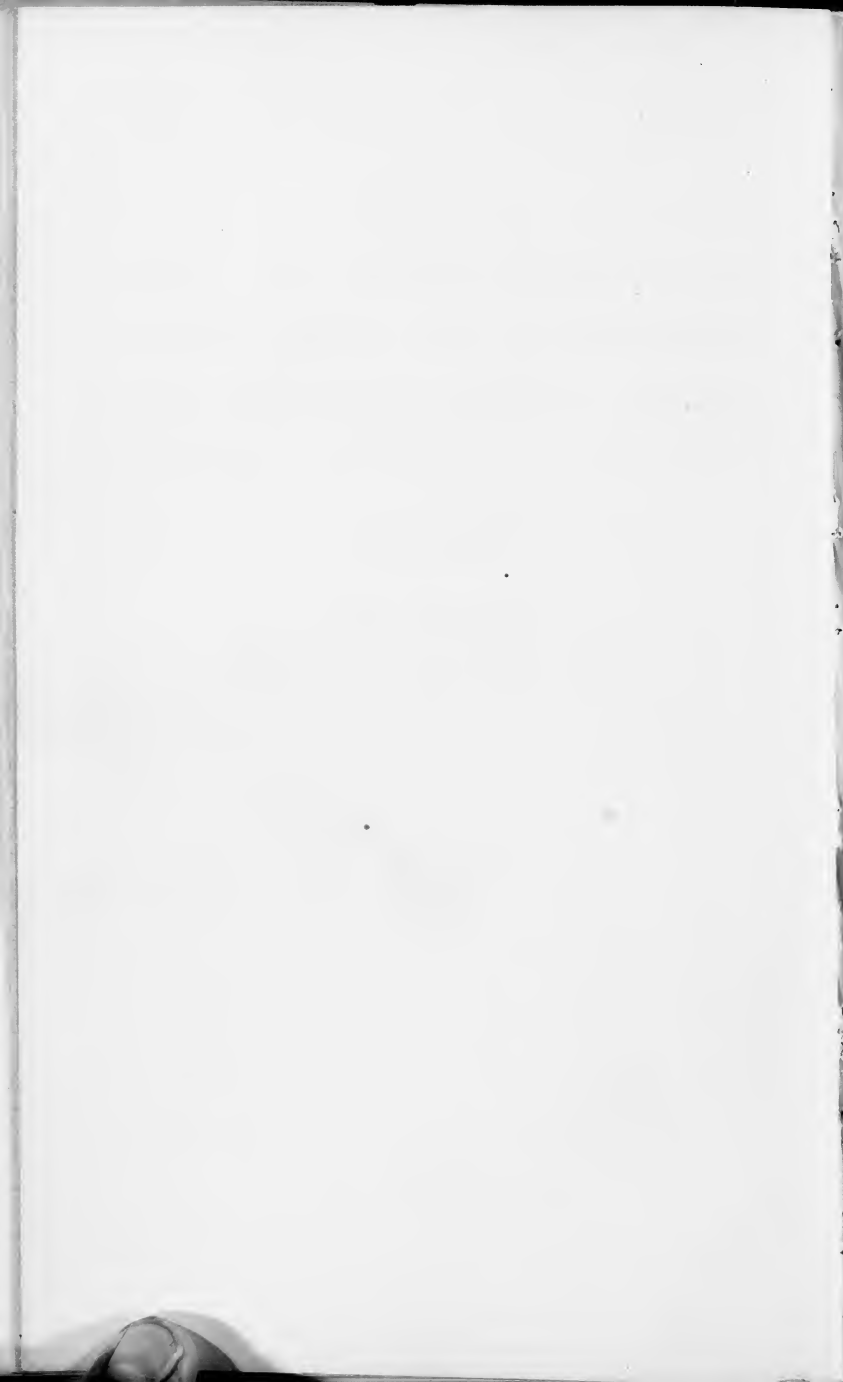
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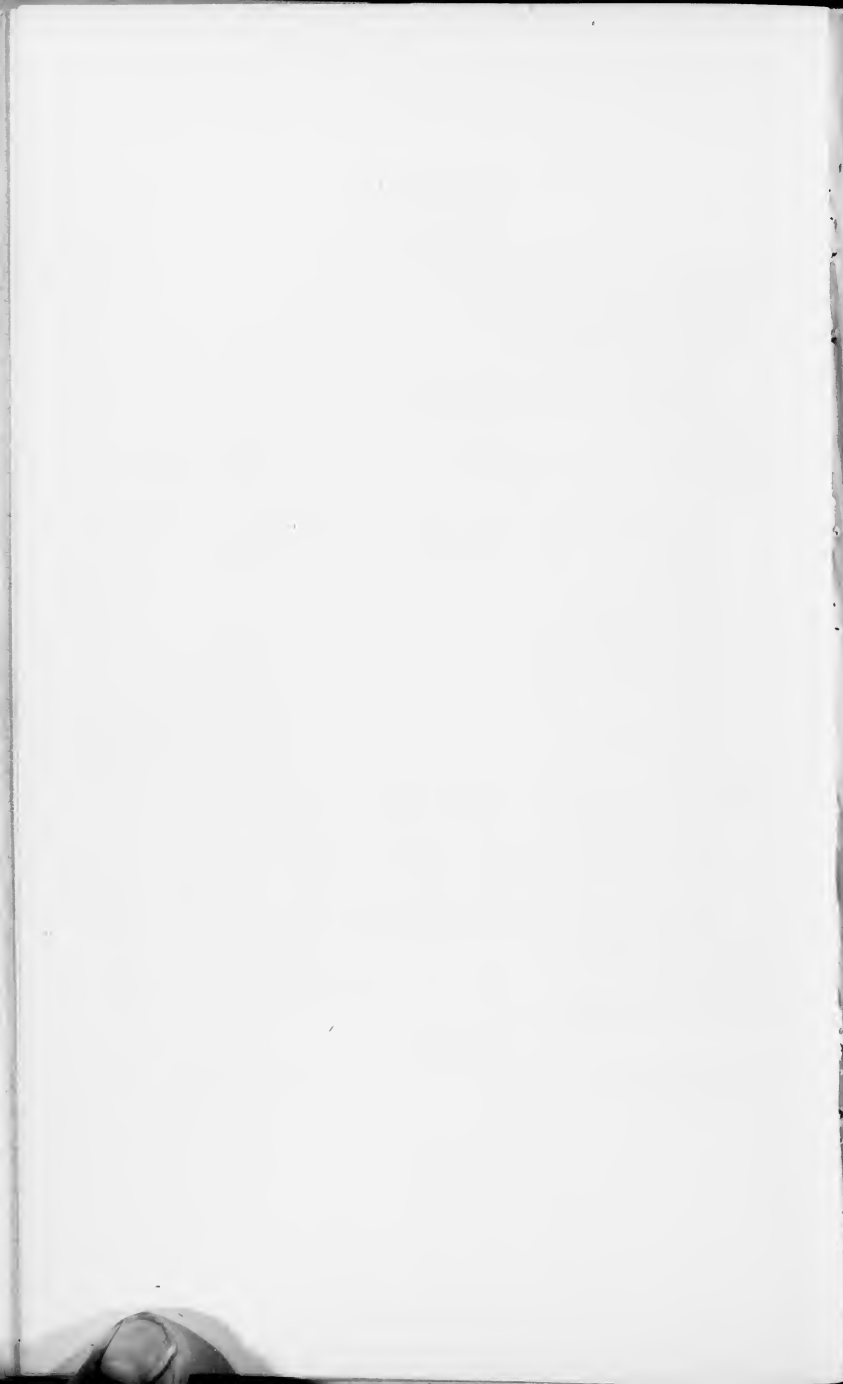


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REPORT OF HEALTH OFFICER.

HEALTH DEPARTMENT,
Washington, August 30, 1923.

Gentlemen: The following report showing the activities of the health department for the fiscal year 1923 is respectfully submitted. It is regretted that the limited appropriation for the printing of the annual report renders it necessary to omit much valuable information and data which, until the past two or three years, has been furnished.

PART I.

PUBLIC HEALTH IN THE DISTRICT OF COLUMBIA DURING THE CALENDAR YEAR 1922.

Statistics relating to births, stillbirths, deaths, and cases of reportable disease will be found in the appendix of this report. This appendix must therefore be referred to for information not found in the body of the report.

POPULATION.

The estimated population of the District of Columbia, as compiled by the United States Bureau of the Census for the year 1922, is 454,026, the whites numbering 341,662 and the colored 112,364.

The birth rates, stillbirth rates, death rates, and morbidity rates for the calendar year 1922 are therefore based on this population.

GENERAL BIRTH RATES AND DEATH RATES.

The following table gives the population and the number of births, stillbirths, and deaths recorded during the calendar year 1922 with similar data for previous years.

Population, births, stillbirths, and deaths in the District of Columbia, with corresponding rates during the calendar years 1901-1922, inclusive.

Calendar year.	Popula- tion.	Births.	Still- births.	Deaths.	Rate per 1,000.		
					Births.	Still- births.	Deaths.
1901-1905 ¹	311,325	5,409	570	6,042	17.38	1.83	19.41
1906-1910 ¹	336,940	6,990	577	6,304	20.48	1.71	18.71
1911-1915 ¹	353,443	7,028	478	6,188	19.88	1.35	17.50
1916-1920 ¹	413,270	8,025	484	7,120	19.41	1.17	17.23
1921.....	454,026	9,028	501	6,057	19.88	1.10	13.34
1922.....	454,026	9,121	495	6,395	20.10	1.10	13.89

¹ Average for 5-year period.

Births.—An analysis of the registered live births and stillbirths according to race will be found in the following tables:

Nativity in the District of Columbia, by years and by race, during the calendar years 1906–1922, inclusive.

Calendar year.	Births and stillbirths registered.				Rate per 1,000 of corresponding population.		
	White.	Colored.	Un-known.	Total.	White.	Colored.	Total.
1906–1910 ¹	4,832	2,583	62	7,427	20.1	26.7	22.2
1911–1915 ¹	4,962	2,483	61	7,506	19.5	25.3	21.0
1916–1920 ¹	5,956	2,502	51	8,509	19.3	23.6	20.6
1921.....	6,673	2,811	45	9,529	19.5	25.0	23.9
1922.....	6,732	2,830	54	9,616	19.7	25.2	21.2

¹ Average for 5-year period.

Stillbirths in the District of Columbia, relative frequency of, with reference to race, during the calendar years 1906–1922, inclusive.

Calendar year.	Registered stillbirths.				Rate per 1,000.		
	White.	Colored.	Un-known.	Total.	White.	Colored.	Total.
1906–1910 ¹	290	315	62	577	0.8	3.2	1.7
1911–1915 ¹	168	250	51	478	.7	2.5	1.3
1916–1920 ¹	210	223	51	484	.7	2.1	1.2
1921.....	225	231	45	501	.7	2.1	1.1
1922.....	232	209	54	495	.7	1.9	1.1

¹ Average for 5-year period.

Percentage of stillbirths of each class named below, computed upon the basis of all live and stillbirths, together for each class.

Calendar year.	By race.			Social status.	
	White.	Colored.	Total.	Legitimate.	Illegitimate.
1906–1910 ¹	4.1	12.2	7.7	5.6	14.9
1911–1915 ¹	3.4	10.0	6.4	4.8	12.6
1916–1920 ¹	3.5	8.9	5.7	4.6	12.2
1921.....	3.4	8.2	5.3	4.3	11.1
1922.....	3.4	7.4	5.1	4.1	9.2

¹ Average for 5-year period.

Stillbirths in the District of Columbia, relative frequency of, in home and hospital practice during the calendar year 1922.

Place of birth.	White.			Colored.			Total.		
	Live births.	Stillbirths.	Percentage of still to live and stillbirths.	Live births.	Stillbirths.	Percentage of still to live and stillbirths.	Live births.	Stillbirths.	Percentage of still to live and stillbirths.
Institutions.....	4,097	148	3.4	1,006	83	7.6	5,103	231	4.3
Homes.....	2,403	84	3.4	1,615	126	7.2	4,018	210	5.0
Total.....	6,500	232	3.4	2,621	209	7.4	9,121	441	4.6

¹ Fifty-four unknown race reported by coroner, presumably "home birth."

Stillbirths in the District of Columbia, according to professional attendance, relative frequency of, in home and hospital practice during calendar year 1922.

Attended by—	Confined at home.		Confined at hospital.		Percentage of still to live and stillbirths.		
	Live births.	Stillbirths.	Live births.	Stillbirths.	Homes.	Hospitals.	Homes and hospitals.
Physicians.....	3,634	207	5,103	231	5.4	4.3	4.8
Midwives.....	384	3			.8		
Unknown.....		154					
Total.....	4,018	264	5,103	231	6.2	4.3	5.1

¹ Certified by coroner "Unknown," presumably home births.

Illegitimacy in the District of Columbia, prevalence of, by years and by race, during the calendar years 1906-1922, inclusive.

Calendar year.	Illegitimate births and stillbirths registered.				Rates per 1,000 corresponding population.			Percentage of all births and stillbirths reported as illegitimate.		
	White.	Colored.	Unknown.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1906-1910 ¹	110	572	.....	682	0.5	5.9	2.0	2.3	22.1	9.2
1911-1915 ¹	111	541	67	719	.4	5.5	2.1	2.2	21.7	9.6
1916-1920 ¹	112	452	52	616	.4	4.3	1.5	1.9	18.1	7.2
1921.....	136	467	45	648	.4	4.2	1.4	2.0	16.6	6.8
1922.....	135	493	54	682	.4	4.4	1.5	2.0	17.4	7.1

¹ Average for 5-year period.

Illegitimacy in the District of Columbia—Ages of mothers of illegitimate children whose births and stillbirths were recorded during the calendar years 1911-1922, inclusive.

Calendar year.	Age of mothers.												Total.
	12	13	14	15	16	17	18	19	20	Total under 21.	21 and over.	Age not stated.	
1911.....	0	3	4	17	33	49	54	51	46	257	204	182	543
1912.....	0	1	7	19	52	77	90	76	57	379	225	170	774
1913.....	1	1	4	29	55	80	98	82	62	412	275	6	693
1914.....	0	1	8	15	53	67	106	62	49	361	215	29	605
1915.....	0	1	7	18	51	80	84	66	60	367	233	14	614
1916.....	0	1	9	18	50	64	72	81	43	338	200	17	555
1917.....	0	.....	8	25	39	78	93	62	62	367	213	17	597
1918.....	0	1	7	20	39	49	42	58	41	257	148	24	429
1919.....	0	1	6	22	43	54	62	62	28	278	191	27	496
1920.....	0	.....	13	22	38	83	62	51	38	307	194	30	531
1921.....	0	3	7	23	38	58	66	53	57	305	206	25	536
1922.....	0	1	7	23	64	76	79	80	51	381	176	13	570

Midwives and lying-in hospitals in the District of Columbia—Live births reported by midwives and from institutions during the calendar years 1906-1922, inclusive.

Calendar years.	Number reported.		Percentage reported.		
	Total.	From institutions.	By midwives.	From institutions.	By midwives.
1906-1910 ¹	6,900	1,286	1,295	18.6	18.8
1911-1915 ¹	7,028	1,998	828	28.4	11.8
1916-1920 ¹	8,025	3,675	492	45.8	6.1
1921.....	9,028	4,779	393	52.9	4.3
1922.....	9,121	5,103	384	55.9	4.2

¹ Average for 5-year period.

STATISTICS OF ILLNESS AND DEATHS.

General mortality.—It is to be regretted that 248 more deaths occurred during the year than in the preceding year, raising the general death rate from 13.34 in the year 1921 to 13.89 in the year 1922.

Of the total number of 6,305 deaths recorded during the year 1922, 4,043 were white and 2,262 colored.

Racial population, deaths, and death rates in the District of Columbia, by calendar years, from 1901 to 1922, inclusive.

Years.	Population.		Deaths.		Death rates.	
	White.	Colored.	White.	Colored.	White.	Colored.
1901-1905 ¹	217,605	93,719	3,395	2,647	15.60	28.20
1906-1910 ¹	240,244	96,696	3,626	2,678	15.09	27.69
1911-1915 ¹	255,162	98,281	3,665	2,523	14.36	25.67
1916-1920 ¹	307,076	109,194	4,512	2,608	14.76	24.70
1921.....	341,662	112,364	3,978	2,079	11.64	18.50
1922.....	341,662	112,364	4,043	2,262	11.83	20.13

¹ Average for 5-year period.

Infant mortality.—The number of deaths of infants under 1 year of age, like the general death rate, increased. During the calendar year 1922 the rate was 84.5 to each 1,000 births reported, while during the preceding year it was 83.

The most potent causes of death during the calendar year 1922 will be found in the following table. It will be noted that the principal increase in the death rate was due to organic heart disease, pneumonia, pulmonary tuberculosis, and cerebral hemorrhage.

Most potent causes of death in the District of Columbia during the calendar year 1922, and the annual average for 5-year periods from 1906 to 1920, inclusive.

Causes of death.	1922		1921		Annual average.					
	Deaths.	Death rate.	Deaths.	Death rate.	1906-1910		1911-1915		1916-1920	
					Deaths.	Death rate.	Deaths.	Death rate.	Deaths.	Death rate.
Organic heart disease.....	721	159	690	152	509	169	738	208	727	176
Pneumonia (all forms).....	639	141	549	121	554	163	547	155	808	196
Malignant growths.....	486	97	497	109	276	82	339	96	409	99
Bright's disease.....	482	106	495	109	442	131	545	154	549	133
Pulmonary tuberculosis.....	491	108	463	102	749	222	687	194	588	142
Cerebral hemorrhage (apoplexy).....	491	108	463	102	327	97	413	117	491	119
Accidents.....	361	80	261	57	264	74	234	66	281	68
Prematurity.....	236	52	240	53	215	64	204	58	218	53
Arteriosclerosis.....	181	40	183	40	84	25	120	34	176	42
Endo and myocarditis, acute.....	189	42	159	35	72	21	57	16	146	35
Diarrheal diseases (under 2 years).....	107	24	119	25	305	91	192	54	180	44
Suicides.....	67	15	84	18	71	21	81	23	68	16
Appendicitis.....	57	12	76	17	33	10	41	11	50	12
Bronchitis.....	59	13	72	16	128	38	93	26	74	18
Diabetes.....	78	17	69	15	41	12	58	16	66	16
Nephritis, acute.....	38	8	67	15	59	18	68	19	73	18
Diphtheria.....	44	10	57	13	32	10	24	7	58	14
Homicides.....	52	11	57	13	26	7	29	8	49	12
Diarrheal diseases (2 years and over).....	54	12	55	12	72	21	63	18	68	16
Senility.....	75	16	45	10	200	59	156	44	95	23
General paralysis of insane.....	45	10	40	9	33	10	53	15	66	16
Grippe (influenza).....	41	9	34	8	96	28	71	20	583	141

Reportable diseases.—The following table contains data showing the extent to which contagious disease existed during the year 1922:

Reportable diseases in the District of Columbia—Cases, case rates, deaths, percentage of fatalities, and death rates during the calendar years 1920, 1921, and 1922.

Diseases.	Cases.			Case rate per 100,000.		
	1920	1921	1922	1920	1921	1922
Anterior poliomyelitis.....	4	40	5	9.0	10.1	1.1
Chickenpox.....	1,248	1,140	1,186	285.2	251.1	261.2
Diphtheria.....	717	935	735	163.6	205.9	161.9
Cerebrospinal meningitis, epidemic.....	6	8	2	1.3	1.8	.4
Measles.....	581	4,157	503	132.7	915.6	192.9
Pellagra.....	5	5	2	1.1	1.1	.4
Scarlet fever.....	774	853	478	176.9	187.9	1.1
Smallpox.....	89	66	66	20.3	14.5	14.5
Tuberculosis (communicable).....	1,189	1,267	1,335	271.7	279.1	294.3
Typhoid fever.....	159	195	188	36.3	42.9	41.5
Whooping cough.....	1,207	1,093	545	27.6	240.7	120.0

Diseases.	Deaths.			Percentage of deaths to cases.			Death rate per 100,000.		
	1920	1921	1922	1920	1921	1922	1920	1921	1922
Anterior poliomyelitis.....	2	6	0	50.0	15.0	.....	0.5	1.3	.....
Chickenpox.....	64	57	44	8.9	6.1	5.9	14.6	12.5	9.7
Diphtheria.....	3	4	1	50.0	50.0	50.0	.7	.8	.2
Cerebrospinal meningitis, epidemic.....	2	11	.....	.3	.3	.....	.4	2.5	.....
Measles.....	5	3	2	100.0	60.0	100.0	1.1	.7	.4
Pellagra.....	8	9	3	1.0	1.1	.6	1.8	19.8	.6
Smallpox.....	573	369	535	48.2	29.1	40.1	131.0	81.3	118.5
Tuberculosis (communicable).....	29	29	23	18.2	14.9	12.2	6.6	6.4	50.2
Typhoid fever.....	16	10	6	1.3	.9	1.1	3.7	2.2	13.2
Whooping cough.....	16	10	6	1.3	.9	1.1	3.7	2.2	13.2

DISPOSAL OF THE DEAD.

The following table shows the ultimate disposal of the dead in the District of Columbia during the year ended December 31, 1922:

Disposal of dead bodies, exclusive of stillbirths, coming under the supervision of the health department during the calendar year 1922.

Disposal.	Died in District of Columbia.	Died outside of District of Columbia and brought in for disposal.	Total.
Sent out of the District of Columbia:			
To Arlington.....	349	39	388
To other places.....	1,895	58	1,953
Total.....	2,244	97	2,341
Cremated:			
Lee's crematory.....	41	15	56
Municipal crematory.....	219	13	232
Total.....	260	28	288
Buried in District of Columbia.....	3,745	488	4,233
Anatomical board.....	56	56
Total.....	3,801	488	4,289
Total disposed of.....	6,305	613	6,918

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1916-1920	307,076	109,194	4,512	2,608	14.76	24.70
1921	341,662	112,364	3,978	2,079	11.64	18.50
1922	341,662	112,364	4,043	2,262	11.83	20.13

¹ Average for 5-year period.

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Most potent causes of death in the District of Columbia during the calendar year 1922, and the annual average for 5-year periods from 1906 to 1920, inclusive.

Causes of death.	1922		1921		Annual average.					
					1906-1910		1911-1915		1916-1920	
	Deaths.	Death rate.	Deaths.	Death rate.	Deaths.	Death rate.	Deaths.	Death rate.	Deaths.	Death rate.
Organic heart disease.....	721	159	690	152	509	169	738	208	727	176
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Pulmonary tuberculosis.....	491	108	463	102	749	222	687	194	588	142
Cerebral hemorrhage (apoplexy).....	491	108	463	102	327	97	413	117	491	119
Accidents.....	361	80	261	57	264	74	234	66	281	68
Prematurity.....	236	52	240	53	215	64	204	58	218	53
Arteriosclerosis.....	181	40	183	40	84	25	120	34	176	42
Endo and myocarditis, acute.....	189	42	159	35	72	21	57	16	146	35
Diarrheal diseases (under 2 years).....	107	24	119	25	305	91	192	54	180	44
Suicides.....	67	15	84	18	71	21	81	23	68	16
Appendicitis.....	57	12	76	17	33	10	41	11	50	12
Bronchitis.....	59	13	72	16	128	38	93	26	74	18
Diabetes.....	78	17	69	15	41	12	58	16	66	16
Nephritis, acute.....	38	8	67	15	59	18	68	19	73	18
Diphtheria.....	44	10	57	13	32	10	24	7	58	14
Homicides.....	52	11	57	13	26	7	29	8	49	12
Diarrheal diseases (2 years and over).....	54	12	55	12	72	21	63	18	68	16
Senility.....	75	16	45	10	200	59	156	44	95	23
General paralysis of insane.....	45	10	40	9	33	10	53	15	66	16
Grippe (influenza).....	41	9	34	8	96	28	71	20	583	141

Reportable diseases.—The following table contains data showing the extent to which contagious disease existed during the year 1922:

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Diseases.	Cases.			Case rate per 100,000.		
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Pellagra.....	5	5	2	1.1	1.1	.4
Scarlet fever.....	774	853	478	176.9	187.9	1.1
Smallpox.....	89	66	66	20.3	14.5	14.5
Tuberculosis (communicable).....	1,189	1,267	1,335	271.7	279.1	294.3
Typhoid fever.....	159	195	188	36.3	42.9	41.5
Whooping cough.....	1,207	1,093	545	27.6	240.7	120.0

Diseases.	Deaths.			Percentage of deaths to cases.			Death rate per 100,000.		
	1920	1921	1922	1920	1921	1922	1920	1921	1922
Anterior poliomyelitis.....	2	6	0	50.0	15.0	.....	0.5	1.3	.....
Chickenpox.....	64	57	44	8.9	6.1	5.9	14.6	12.5	9.7
Diphtheria.....	3	4	1	50.0	50.0	50.0	.7	.8	.2
Cerebrospinal meningitis, epidemic.....	2	11	.....	.3	.3	.....	.4	2.5	.....
Measles.....	5	3	2	100.0	60.0	100.0	1.1	.7	.4
Pellagra.....	8	9	3	1.0	1.1	.6	1.8	19.8	.6
Scarlet fever.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Smallpox.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tuberculosis (communicable).....	573	369	535	48.2	29.1	40.1	131.0	81.3	118.5
Typhoid fever.....	29	29	23	18.2	14.9	12.2	6.6	6.4	50.2
Whooping cough.....	16	10	6	1.3	.9	1.1	3.7	2.2	13.2

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The following table shows the ultimate disposal of the dead in the District of Columbia during the year ended December 31, 1922:

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To other places.....	1,895	58	1,953
Total.....	2,244	97	2,341
Cremated:			
Lee's crematory.....	41	15	56
Municipal crematory.....	219	13	232
Total.....	260	28	288
Buried in District of Columbia.....	3,745	488	4,233
Anatomical board.....	56	56
Total.....	3,801	488	4,289
Total disposed of.....	6,305	613	6,918

Cremations.—The progress of cremation in the District of Columbia is shown in the following table:

Progress of cremation in the District of Columbia, calendar years 1901–1922, inclusive.

Calendar year.	Bodies cremated. ¹				
	Total deaths.	Lee's crematory.	District of Columbia crematory.	Total.	Percentage of cremations.
1901.....	6,059	27	.....	27	0.45
1902.....	5,788	21	.....	21	.36
1903.....	5,944	41	.....	41	.69
1904.....	6,221	20	.....	20	.32
1905.....	6,205	43	.....	43	.69
1906.....	6,316	41	.....	41	.65
1907.....	6,343	50	.....	50	.79
1908.....	6,136	54	445	99	1.61
1909.....	6,216	50	316	366	5.88
1910.....	6,511	48	334	382	5.87
1911.....	6,303	52	319	371	5.89
1912.....	6,259	52	323	375	5.99
1913.....	6,006	57	295	352	5.86
1914.....	5,866	59	230	289	4.93
1915.....	6,505	67	298	365	5.61
1916.....	6,491	53	272	325	5.00
1917.....	6,687	59	277	336	5.00
1918.....	9,582	79	275	354	3.69
1919.....	6,372	54	230	284	4.46
1920.....	6,463	64	222	286	4.42
1921.....	6,057	60	219	279	4.61
1922.....	6,305	55	232	287	4.55

¹ Stillbirths excluded.

* Began to operate October, 1908

COMMUNICABLE DISEASES OF ANIMALS.

Rabies. Information concerning the prevalence of rabies in the District of Columbia during the calendar year 1922 will be found in the following table:

Rabies in the District of Columbia during the calendar year 1922, together with corresponding data for the preceding year.

	Calendar year.	
	1921	1922
Dogs reported to the health department as rabid or suspected of being rabid.....	20	48
Other animals reported as rabid or suspected of being rabid.....	3	8
Instances in which diagnosis of rabies was confirmed by post-mortem findings of the Bureau of Animal Industry.....	13	23
Persons bitten by dogs or cats rabid or suspected of being rabid.....	14	38
Domestic animals bitten by dogs, rabid or suspected of being rabid (1921, 2 dogs and 2 horses; 1922, 37 dogs, 9 cats, 1 horse, 1 goat, 2 pigs).....	4	50
Persons bitten by dogs and cats and other animals known to be rabid, as shown by post-mortem findings of the Bureau of Animal Industry.....	10	16

The above table shows that during the year 1922 rabies prevailed to a greater extent than during the preceding year, and many more persons were bitten by dogs during that period. The proclamation of the commissioners requiring the muzzling of dogs running at large became effective July 9, 1922, and continued for a period of three months only.

PART II.

ADMINISTRATION.

SUPERVISION.

BUREAU OF PREVENTABLE DISEASES.

The following table shows the amount and character of the work done in the contagious-disease service during the fiscal year 1923.

Reportable diseases in the District of Columbia—Cases reported during the fiscal year 1922-23.

Diseases.	Fiscal year.	
	1922	1923
Anterior poliomyelitis.....	39	7
Chickenpox.....	1,298	970
Diphtheria.....	898	675
Epidemic cerebrospinal meningitis.....	3	1
Leprosy.....	0	2
Measles.....	544	7,605
Pellagra.....	5	2
Scarlet fever.....	503	906
Smallpox.....	93	3
Tuberculosis.....	1,389	1,257
Typhoid fever.....	221	133
Whooping cough.....	520	1,431
Influenza.....	109	428
Total.....	5,622	13,420

Leprosy hospital.—This institution was not in active operation during the year. The two cases of leprosy which were found in this city were cared for at the quarantine station until arrangements for their removal to the national leprosarium at Carville, La., were completed.

Smallpox hospital.—This institution was in active operation 46 days during the fiscal year. Three patients were cared for, and the total number of patient days' service rendered was 42. The average stay of each patient was 15.3 days.

Quarantine station.—The quarantine station was in active operation 36 days during the fiscal year. During that time 8 inmates were cared for. The total number of inmate days was 41, making the average stay of each inmate 5 days.

Ambulance service.—The total number of patients suffering from minor contagious diseases removed in the contagious-disease ambulance to the contagious-disease hospitals for treatment was 594. Patients suffering from smallpox were, as heretofore, removed to the smallpox hospital in the ambulance provided for that purpose.

Isolating wards, Garfield Memorial and Providence Hospitals: Services and expenses during the fiscal year 1923.

Institution.	Pay-patient days.	Free-patient days.	Total patient days.	Total appropriated by the Government.	Paid by the District for year.	Cost to District per free patient per day.	Amount received from pay patients.
Garfield Memorial Hospital.....	3,927	3,833	7,760	\$10,000	\$10,000	\$2.60	\$7,421.80
Providence Hospital.....	1,506	2,651	4,157	6,500	6,500	2.44	(1)

¹ No account of money received from pay patients was rendered by Providence Hospital.

Typhoid fever.—During the calendar year 1922, 188 cases of typhoid fever were reported. While these cases are all charged to the District of Columbia, 32 of them were brought into the District from the adjoining States of Maryland and Virginia for treatment in the hospitals of the city.

Investigation to determine the origin of the infection in all reported cases of typhoid fever showed 32 cases were contracted outside of the District, and 20 other cases were probably contracted outside of the District of Columbia. Forty-five cases resulted from a supper given in one of the churches of the city. The food served at this supper was prepared by a group of ladies of the church, two of whom were shown by laboratory tests to be "typhoid carriers."

Diphtheria.—During the year, in cooperation with the authorities of various homes and orphanages in this District, the Schick test—to determine the susceptibility of persons to diphtheria—was applied and toxin antitoxin administered to the children in these institutions. In 11 institutions the test was completed, while the children in 4 other institutions are now undergoing such test. Six hundred and forty-three children were subjected to the test, 306 reacting positively and 237 negatively thereto. Those giving a positive reaction were immunized with toxin antitoxin. It is the purpose of the health department, during the coming year, to urge parents to have the Schick test applied to their children and to have the toxin antitoxin administered in all cases where the child is shown to be susceptible to diphtheria.

Disinfecting service.—One thousand nine hundred and twenty-one premises were fumigated during the year and 1,490 articles exposed to infection on such premises or in some other way were disinfected at the disinfecting station.

Public crematorium.—As stated in previous reports, this institution is almost self-sustaining. During the fiscal year, 427 bodies were cremated—29 adults, 153 infants, and 245 stillborn infants. The total cost of maintaining the crematory was \$1,823.77. There were 54 private cremations during the year, for which fees amounting to \$1,521 were paid. Deducting this amount from the total cost of operation shows the net cost of maintenance to be \$302.77.

The crematorium is now badly in need of repairs, and estimates to cover the cost of these repairs were included in the annual estimates of the department.

Bacteriological laboratory.—The work done in the bacteriological laboratory during the fiscal year materially increased over the year preceding. The total number of specimens of all kinds examined was 18,943, divided as follows: Diphtheria cultures, 11,000; sputum examinations, 1,611; urine and feces for typhoid fever, 235; milk and cream, 3,871; water, 1,094; swimming pools, 708; miscellaneous, 421.

Serological laboratory.—During the fiscal year 1923, 5,377 specimens were examined, as follows: Blood for Wassermann reaction, 3,962; blood for Widal reaction, 360; blood for malaria, 91; smears for gonococcus, 916; diphtheria antitoxin tested, 14.

Bathing pools.—The department has during the year continued to maintain close supervision over the public bathing pools throughout the District, except in the case of the bathing beach at the tidal basin, which is under Federal supervision and control. Every effort

has been made to have these places maintained in a safe and cleanly condition for bathing purposes.

Wells and water supplies.—Samples of water, from public and private wells, to the number of 1,094, were examined. The water furnished by common carriers for drinking purposes has been closely supervised and the results of analyses communicated to the Surgeon General, United States Public Health Service, for his information, that official having jurisdiction over the water supply used by common carriers in interstate traffic.

Theaters.—During the fiscal year, 142 samples of air were collected from various playhouses throughout the city and examined to determine the purity of the atmosphere in these places. In 74 instances the air was found to be impure. Prompt steps were taken to bring about a betterment of conditions.

Milk and cream.—The department has continued throughout the year close supervision over the milk and cream supply. The bill introduced in Congress at its last session to regulate the sale of milk and cream in the District of Columbia, I regret to report, failed of passage, although it received the unanimous approval of the Committee on the District of Columbia. The bill will be reintroduced in the next session, when it is hoped it will be enacted into law.

Food poisoning.—A large number of pupils attending the McKinley High School were made sick as a result of a supper given by the pupils of the school on the evening of May 23, 1923. The menu consisted of creamed chicken, peas, biscuit, potato salad, ice cream, apple pie, and milk. None of those affected were seriously ill and all recovered in a short time. The symptoms complained of were cramps, nausea, dizziness, diarrhea, and in some cases chill and fever. Laboratory tests disclosed the presence of the *Bacillus enteritidis* in the sample of creamed chicken. The organism was isolated in pure culture and identified by cultural reactions and agglutination tests. The investigation also showed that proper care in the handling of the food had not been exercised by those in charge of the dinner.

Diphtheria antitoxin.—During the year 3,112,000 units of diphtheria antitoxin were distributed to persons suffering from diphtheria and who were financially unable to purchase the same.

Dispensaries—Tuberculosis division.—During the fiscal year 1923 the number of new cases admitted to the clinic was 915. Of this number 215 were found to be positive cases of tuberculosis, 550 negative for that disease, and in 150 cases definite diagnosis was not made. One hundred and forty-five were white and 70 were colored. The total number of visits made by patients to the clinic was 6,626. One thousand five hundred and thirty-five X-ray pictures were made. The nurses connected with the clinic made a total of 5,076 visits to the homes of patients. At the close of the fiscal year the total number of patients under observation was 710. The appropriation for this clinic is entirely too small to enable the health department to maintain the service in an effective and satisfactory manner. A larger appropriation has been asked for, and it is hoped that such may be obtained. During the year the Association for the Prevention of Tuberculosis donated to the health department, for use in the waiting room at the clinic, one and one-half dozen folding chairs, and I desire to express my appreciation for the gift.

Venereal disease division.—The work of the venereal disease clinic is steadily increasing. During the fiscal year 1923, 1,820 new patients were admitted, 707 being white and 1,113 colored. One thousand and seven hundred and seventeen Wassermann examinations were made and 3,217 salvarsan injections given. The total number of visits made by patients to the clinic was 11,898. The nurse made 379 visits to the homes of patients. Of the total number of patients treated, 219 were under 15 years of age, 49 being under 5 years of age.

The bill for the control of venereal diseases in the District of Columbia failed to pass at the last session of Congress. It will, however, be again introduced at the next session, at which time it is hoped this needed legislation will be enacted.

MEDICAL AND DENTAL INSPECTION OF PUBLIC SCHOOLS.

A detailed report covering the operation of the medical and dental inspection services, including the work performed by the school nurses and at the dental clinics, will as heretofore be found in the report of the Board of Education.

During the school year 1922-23 the total number of visits made to school buildings by medical inspectors was 6,572 and the number of visits made to the homes of pupils was 150. The total number of examinations made of pupils for various purposes was 28,900. Physical defects were found in 5,842 cases and appropriate treatment recommended. In 2,734 cases exclusion from school was recommended.

One thousand three hundred and thirty-three applicants were physically examined to determine their fitness for admission to the Normal School and for teaching positions.

Ninety-one pupils were mentally examined to determine the advisability of segregation in special schools. Sixty-nine per cent were recommended for transfer, 30 per cent were recommended not to be transferred, and 1 per cent were recommended for exclusion from school as being noneducable.

Eight hundred and seventy-four applicants for child-labor permits were examined. Forty and eight-tenths per cent of all applicants were found to have some physical defects which warranted the granting only of temporary permits pending the correction of the defects.

Twelve nutrition classes of 20 weeks' duration were conducted in certain schools, both white and colored. These classes were organized under the direction of the medical inspection service in cooperation with the Association for the Prevention of Tuberculosis. The total number of pupils attending these classes was 226, and the average percentage of gain in weight was 181 per cent. In addition two other classes of 37 weeks' duration were maintained at the tuberculosis schools. The total number of pupils attending these classes was 48, and the average percentage of gain in weight was 143 per cent.

While the school medical inspection force has not been in direct charge of the weighing and measuring of pupils in the schools, nor of the serving of milk and cracker lunches, an effort has been made

to encourage the extension of this important phase of child-nutrition work.

Dental inspection.—Eighteen thousand eight hundred and seventy-two pupils were examined by the school dental inspectors during the year. Of these, 82 per cent were found to be suffering from dental defects.

Four dental clinics were, as heretofore, operated during the year. The total number of pupils treated at these clinics was 3,311. Additional dental clinics are urgently needed, and an item covering the cost of such clinics is included in the annual estimates of the health department.

School nurses.—Seven thousand five hundred and twenty-seven pupils having certain physical defects were handled by the school nurses during the school year.

BUREAU OF FOOD INSPECTION.

The following table shows the number and kind of establishments producing and handling foodstuffs in the District of Columbia, exclusive of dairies and dairy farms, during the fiscal year 1923:

Food producing and vending establishments in the District of Columbia, number and kind on register, fiscal years, 1922 and 1923, with data relative thereto.

Year.	Registered at beginning of year.	Registered during year.	Abandoned or duplicated.	Registered at close of year.	Average per annum per place.	Inspections.	
						Inspections per inspector per day worked.	Total number of inspections.
Total:							
1922.....	3,399	1,105	959	3,545	29.46	34.13	104,427
1923.....	3,545	1,425	1,568	3,402	27.98	31.11	95,219
Commission houses:							
1922.....	90	10	20	80	195.91	8.54	15,673
1923.....	80	5	10	75	239.29	9.78	17,947
Groceries:							
1922.....	1,009	664	673	1,090	16.08	7.16	17,530
1923.....	1,090	746	914	922	17.61	6.70	16,244
Markets:							
1922.....	10	.....	.....	10	1,243.10	5.78	12,431
1923.....	10	.....	.....	10	1,771.00	7.25	17,710
Hucksters:							
1922.....	710	6	15	701	37.38	21.40	26,201
1923.....	701	20	125	596	51.20	24.93	30,516
Bakeries:							
1922.....	86	8	12	82	12.86	3.44	1,055
1923.....	82	6	.....	88	17.47	5.03	1,538
Confectioners:							
1922.....	230	31	77	184	14.08	2.12	2,592
1923.....	184	30	110	104	26.60	2.26	2,767
Restaurants:							
1922.....	645	370	23	992	12.81	20.75	12,714
1923.....	992	610	309	1,293	9.84	20.78	12,718
Soft-drink establishments:							
1922.....	225	10	129	106	24.65	4.26	2,613
1923.....	106	8	70	44	24.25	3.48	1,067
Fish houses:							
1922.....	24	.....	.....	24	507.75	199.12	12,186
1923.....	24	.....	.....	24	437.37	171.13	10,473
Miscellaneous:							
1922.....	280	6	10	276	5.18	1.16	1,432
1923.....	276	.....	30	246	5.47	1.10	1,346

In the following table will be found a detailed statement relating to dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia and the frequency of inspection during the fiscal year 1923:

Dairy farms on which milk and cream were lawfully produced for sale in the District of Columbia during the fiscal year 1923, number and distribution of, with certain data pertaining thereto, and corresponding figures for the preceding year.

Year.	Dairy farms registered during year.				Cattle.			Tuberculin tested.			
	Begin- ning of year.	Regis- tered.	Can- celed.	Close of year.	Begin- ning of year.	In- crease during year.	Close of year.	Total.	Passed.	Re- acted.	Suspi- cious.
Total:											
1922.....	1,499	634	418	1,715	26,698	9,031	35,689	19,954	19,185	711	58
1923.....	1,715	180	153	1,742	35,689	.....	32,446	28,967	28,016	863	88
District of Columbia:											
1922.....	20	3	4	19	290	.....	250	45	44	1	0
1923.....	19	2	8	13	250	.....	171	156	141	15	0
Maryland:											
1922.....	929	390	257	1,062	14,042	3,974	16,016	8,617	8,109	486	22
1923.....	1,062	95	102	1,055	18,016	.....	15,401	13,831	13,201	620	19
Virginia:											
1922.....	548	217	153	612	11,982	4,222	16,204	10,698	10,448	216	34
1923.....	612	61	29	644	16,204	.....	16,122	14,439	14,139	222	78
Pennsylvania:											
1922.....	1	2	2	2	223	.....	223	223	221	1	1
1923.....	1	8	2	7	223	.....	221	221	220	1	0
West Virginia:											
1922.....	1	5	.....	8	195	.....	195	90	90	.....	.....
1923.....	8	14	2	20	195	201	396	305	300	5	0
Ohio:											
1922.....	.....	15	2	11	.....	753	753	123	123	0	0
1923.....	13	2	12	3	753	.....	135	.....	.....	.....	.....

Inspections.

Year.	Inspections of farms.	Average frequency of inspec- tions of each farm during year.	Average number of farms in- spected per inspector per day worked.	Inspections of cattle.	Average frequency of inspec- tion of each animal.
Total:					
1922.....	7,228	4.77	2.95	108,566	3.42
1923.....	7,202	4.20	2.94	111,747	3.13
District of Columbia:					
1922.....	272	14.25	.88	3,079	12.31
1923.....	284	14.94	.92	2,639	10.55
Maryland:					
1922.....	4,572	4.75	3.73	57,763	3.20
1923.....	4,800	4.51	3.92	63,092	3.50
Virginia:					
1922.....	2,320	4.53	3.79	45,883	2.83
1923.....	2,082	3.40	3.40	44,521	2.75
Pennsylvania:					
1922.....	16	1.77	.052	388	1.43
1923.....	14	3.30	.044	221	1.00
West Virginia:					
1922.....	30	10.00	.038	700	3.58
1923.....	48	6.00	.156	1,109	5.51
Ohio:					
1922.....	18	1.63	.058	753	1.00
1923.....	10	1.66	.033	165	1.20

Dairies in and for the District of Columbia during the fiscal year 1923, number and distribution of, with certain data pertaining thereto, and corresponding figures for the previous year.

	Licensed at beginning of year.	Applications received.	Permits issued.	Permits surrendered.	Applications rejected.	Licensed at close of year.	Inspections during the year.	Average number of inspections of each dairy during year.	Average number of dairies inspected per day worked.
1922.....	36	8	6	1	1	42	762	18.14	2.49
1923.....	19	3	1	2	1	19	775	40.78	2.58

The inspector assigned to this work has other duties to perform also.

Creameries for the District of Columbia during the fiscal year 1923, number and distribution of, with certain data pertaining thereto.

Licensed at beginning of year.....	10
Applications received.....	5
Permit issued.....	1
Applications rejected.....	3
Licensed at close of year.....	11
Inspections during the year.....	228
Average number of inspections of each creamery during year.....	20.72
Average number of creameries inspected per day worked.....	.62

The results of prosecution for violations of the laws and regulations relating to foods and drugs in the District of Columbia during the fiscal year 1923, with corresponding figures for previous years, are shown in the following table:

Statement showing results of prosecution for violations of the laws and regulations of food and drugs act during the fiscal year 1923, with corresponding figures for previous year.

	United States district attorney.		Police court.	
	1922	1923	1922	1923
Cases referred.....	48	44	323	291
Cases of fine and forfeiture.....	44	39	300	266
Cases of personal bonds taken.....			2	
Cases nolle prossed.....	4	3	8	10
Cases acquitted.....			2	1
Cases pending.....		1	21	14
Amount of fines and forfeitures.....	\$1,400	\$1,425	\$1,543	\$1,792

Information relative to the chemical examination of samples of milk and cream during the fiscal year 1923 will be found in the following table:

Milk and cream in the District of Columbia—Chemical examinations during the fiscal year 1923, with corresponding figures for previous years.

Fiscal year.	Milk (8,517 samples) in 1923, containing—			Cream (299 samples) in 1923, containing—	
	Less than 3.5 per cent fat.	3 per cent fat and less.	Added water.	Less than 20 per cent fat.	18 per cent fat and less.
	<i>Per cent.¹</i>	<i>Per cent.¹</i>	<i>Per cent.¹</i>	<i>Per cent.¹</i>	<i>Per cent.¹</i>
1918.....	18.02	3.49	1.57	68.09	36.61
1919.....	19.06	4.80	.61	59.61	29.61
1920.....	13.19	2.79	.66	40.55	19.29
1921.....	9.22	3.27	.49	25.87	23.48
1922.....	10.03	2.66	.40	10.70	6.13
1923.....	11.64	2.51	.34	24.08	17.06

¹ Per cent on basis of all samples of milk and cream examined.

The amount and kinds of food products condemned in the District of Columbia for the fiscal year 1923 is shown in the following table:

Food products condemned in the District of Columbia during the fiscal year ending June 30, 1923.

		Condemned by request.	Condemned without request.	Total.
Apples.....	barrels	55	7	62
Beef.....	pounds	405	1,180	1,585
Berries.....	crates	39	138	168
Beets.....	bunches		9	9
Bananas.....	do.		4	4
Beans.....	bushels	55	198	253
Butter.....	pounds	70	30	100
Cream.....	gallons		10	10
Crab meat.....	do.	220	203	423
Chickens.....	pounds	400	1,565	1,965
Cantaloupes.....	crates	98	266	364
Cabbage.....	do.	6	4	10
Cucumbers.....	do.	30	142	172
Crabs.....	barrels	5	14	19
Candy.....	pounds		800	800
Canned goods.....	cans	900	1,164	2,064
Corn.....	crates	40	95	135
Ducks.....	number		70	70
Dried fruits.....	pounds	30	60	90
Eggs.....	dozen	55	257	312
Eggplants.....	crates	60	44	104
Flour.....	pounds		2,176	2,176
Grapefruit.....	number	100	227	327
Lamb.....	pounds		140	140
Lettuce.....	hampers	600	419	1,019
Liver.....	pounds	525	1,505	2,030
Lobsters.....	do.	170	130	300
Nuts.....	do.	50	503	553
Oranges.....	number		36	36
Olives.....	pounds		12	12
Onions.....	sacks	6		6
Oysters.....	gallons	50	110	160
Pork.....	pounds	620	865	1,485
Peaches.....	crates	35	45	80
Potatoes.....	sacks	60	95	155
Peas.....	bushels	80	40	120
Pears.....	do.		1	1
Peppers.....	dozen		45	45
Pickles.....	barrels	2	4	6
Rabbits.....	number	630	825	1,455
Radishes.....	bunches	250	700	950
Shrimp.....	pounds	20	14	34
Squash.....	hampers	11	8	19
Squirrels.....	number		6	6
Spinach.....	bushels		4	4
Watermelons.....	number	6,250	2,380	8,630

Slaughterhouses.—At the slaughterhouses in the District, under the supervision of the health department, 9,928 cattle, 4,067 sheep, 4,157 calves and 42,310 hogs were inspected. The carcasses of 9 cattle and 2 hogs were condemned as unfit food and properly disposed of.

The food-inspection service has been very active during the year, and as a result it is believed that a better quality of foodstuffs is now being sold in the District than ever before. Additional food inspectors are needed, and it is hoped some provision will be made for supplying the same.

BUREAU OF SANITARY INSPECTION.

General nuisance inspection.—During the year 9,296 complaints were received and acted upon. These complaints necessitated 12,735 inspections to be made. Twenty-two thousand nine hundred and four official calls were made. The total number of visits of all kinds made by the sanitary inspectors was approximately 84,132. In 13,448 instances violations of the law and regulations for the prevention and abatement of nuisances were reported.

Prosecutions.—Legal proceedings were instituted against 786 persons charging violation of the law and regulations relating to public health, exclusive of the smoke law.

Under the abatement of nuisances by the assessment system, 663 notices were served upon nonresident owners of property in this District. In all but 16 instances the nuisance was abated by the owners. Where the owners failed to abate the nuisance, the work was done by the District government and the cost assessed as a tax against the property.

Enforcement of the weed law.—Nine hundred and forty-two notices were served during the year under the provisions of the weed law. No serious attempt to enforce the weed law, as heretofore pointed out, can be made unless sufficient funds are provided to enable the department to employ a special corps of inspectors who will be available for service during the entire weed season.

Smoke inspection.—For data relative to smoke inspection work done, see the following table:

Smoke inspections during the fiscal years 1922-23.

	1922	1923
Observations.....	11, 112	7, 643
Violations of the law reported.....	1, 286	649
Cases referred to corporation counsel.....	126	25
Cases of fines and forfeitures.....	120	20
Cases of personal bonds taken.....	2	2
Cases nolle prossed.....	3	3
Cases acquitted.....	3	.....
Cases pending.....	11	11
Amounts of fines and forfeitures.....	\$1, 175	\$200
Plants under observation.....	643	647
Number of inspections of plants.....	675	441
Reports of investigation, complaints, and letters.....	142	425

Registration and inspection of stables, barber shops, laundries, privies, fowl and pigeon houses, sewage-disposal systems, and lodging and tenement houses during the fiscal year 1923.

	Stables.	Barber shops.	Laundries.	Privies.	Fowl and pigeon houses.	Sewage disposals.	Lodging and tenement houses.
Registered at beginning of the year.....	685	653	1,796	2,735	2,293	113	121
Registered during the year.....	1	102	15	128	131	12	.....
Abandoned during the year.....	35	32	60	28	.....	.....	.....
On register at close of year.....	651	723	1,751	2,835	2,424	125	121
Number of inspections during the year.....	665	862	521	3,093	(1)	56	113
Average frequency of inspections.....	1.02	1.19	.29	1.09	(1)	.44	.93
Number of nuisances found.....	87	(1)	(1)	951	(1)	(1)	(1)

¹ Data not available.

Number and character of inspections by the sanitary inspection service during the fiscal year 1923, with corresponding data for the preceding year.

	1922	1923
Baby farms.....	46	30
Barber shops.....	1,308	862
Cemeteries.....	32	31
Dumps.....	33	11
Garbage plants.....	2	1
Hospitals.....	57	98
House to house.....	7,973	12,399
Industrial establishments.....	120	54
Lodgings and tenements.....	113	302
Laundries.....	251	521
Printing offices.....	162	92
Privies.....	1,862	3,093
Public baths.....	13	16
Playgrounds.....	59	22
Public buildings.....	86	37
Sewage-disposal systems.....	437	56
Stables.....	272	665
Schools.....	101	6
Tailor shops.....	168	290
Theaters.....	8	594
Undertaking establishments.....	209	39
Unclassified.....	80	893
Podiatry.....	.....	84
Total.....	13,457	20,196
Inspections on complaint.....	13,673	12,735
Reinspections.....	19,112	23,422
Official calls.....	24,314	22,904
Notices served outside of assigned inspection districts.....	4,871	4,875
Total.....	75,427	84,132

EIGHT-HOUR FEMALE LABOR LAW.

At the close of the fiscal year 1923, 2,034 establishments coming within the purview of the eight-hour female labor law were registered and classified. Eighty-five complaints were received and acted upon. Nine hundred and twenty-four official calls were made. In 23 instances, violations of the law were noted, and prosecution instituted against the proprietors.

The following table gives a summary of the work performed in the eight hour female labor law service:

Complaints acted upon.....	85
Inspections on complaint.....	91
Official calls made.....	924

Number of inspections made at various kinds of establishments:

Manufacturing.....	1,037
Mechanical.....	612
Mercantile.....	6,974
Laundries.....	1,072
Restaurants.....	2,157
Telegraph and telephone.....	94
Express and transportation.....	143
Hotels.....	384
Miscellaneous.....	5

Miscellaneous establishments coming within the purview of the law were registered and classified as follows:

Hotels.....	47
Laundries.....	172
Manufacturing.....	266
Mercantile.....	1,117
Restaurants.....	246
Telephone and telegraph.....	14
Express and transportation.....	30
Mechanical.....	142

CHILD WELFARE SOCIETY.

Congressional appropriations toward the maintenance of the Child Welfare Society ceased with the end of the fiscal year 1923. During the last session of Congress, and at the request of the ladies of the society, the appropriations heretofore given to the Child Welfare Society was transferred to the health department for the establishment and maintenance of a child hygiene service in that department. This service was put into operation July 1, 1923.

The following table shows the amount of work done by the Child Welfare Society during the fiscal year 1923:

Child Welfare Society: Infants, children, and prenatal cases admitted, visits of cases to centers, and visits of nurses to homes, enumerated by centers.

Center.	Location.	Registered.		Unregistered.		Total.
		White.	Colored.	White.	Colored.	
Admissions under 2 years:						
1	Georgetown Hospital.....	90	50	36	29	205
2	2100 G Street NW.....	88	74	50	85	297
3	Children's Hospital.....	193	120	225	204	742
4	330 C Street NW.....	110	48	182	120	460
5	1235 Four-and-a-half Street SW.....	68	66	27	63	224
6	900 Maryland Avenue NE.....	226	49	199	125	599
7	1130 K Street SE.....	98	39	110	88	335
9	Freedmen's Hospital.....		103		180	283
Total.....		873	549	829	894	3,145
Admissions 2 to 6 years:						
1	Georgetown Hospital.....	11	11	11	4	37
2	2100 G Street NW.....	20	20	13	7	60
3	Children's Hospital.....	33	20	11	6	70
4	330 C Street NW.....	16	11	16	9	52
5	1235 Four-and-a-half Street SW.....	7	5			12
6	900 Maryland Avenue NE.....	16	17	13	3	49
7	1130 K Street SE.....	7	1	27	15	50
9	Freedmen's Hospital.....		27		15	42
Total.....		110	112	91	59	372
Prenatal:						
1	Georgetown Hospital.....					
2	2100 G Street NW.....					
3	Children's Hospital.....					
4	330 C Street NW.....					
5	1235 Four-and-a-half Street SW.....					
6	900 Maryland Avenue NE.....	1	11	1	5	18
7	1130 K Street SE.....		2	2	16	20
9	Freedmen's Hospital.....		13		13	26
Total.....		1	26	3	34	64

THE POUND SERVICE.

Two thousand two hundred and fifty-seven dogs found running at large were captured by the poundmaster during the fiscal year 1923, and 1,081 dogs were surrendered to him by the owners of such animals for observation or destruction. Twenty-nine horses, 1 mule, 2 goats, and 1 hog were also impounded. Two thousand and eighty cats were also surrendered to the poundmaster for destruction. The total animals of all kinds handled at the pound was 5,487.

BUREAU OF ADMINISTRATION.

Correspondence and files: Ten thousand seven hundred and sixty letters and 7,129 oral complaints were received during the year. Twelve thousand six hundred and fifty-one letters were sent out by the department, and 1,912 special reports were entered and filed.

BUREAU OF VITAL STATISTICS.

Seven thousand and fifty deaths, 8,953 births, and 465 stillbirths were recorded during the year. Two thousand three hundred and fifty-three transcripts from the records of deaths and births were issued.

Respectfully submitted.

W. C. FOWLER, M. D.,
Health Officer.

TO COMMISSIONERS OF THE DISTRICT OF COLUMBIA.

APPENDIX A

VITAL STATISTICS

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1922, arranged with reference to race and sex and classified with reference to causes of death.

Cause of death.	Total deaths.			General death rates.			Per-centage of each cause to total mor-tality.	Deaths by race and sex.				Total by sex.	
								White.		Colored.			
	White.	Colored.	All.	White.	Colored.	All.		Male.	Female.	Male.	Female.		
I. General diseases.													
1 Typhoid fever.....	16	7	23	0.047	0.062	0.051	0.365	12	4	4	3	16	7
2 Typhus fever.....													
3 Relapsing fever.....													
4 Malaria.....	3		3	.009		.006	.048	1	2			1	2
5 Smallpox.....													
6 Measles.....													
7 Scarlet fever.....	3	3	6	.008		.007	.047	1	2			1	2
8 Whooping cough.....	3	3	6	.009	.027	.013	.065	2	1	2	1	4	2
9 Diphtheria and croup.....	39	5	44	.114	.044	.087	.698	21	18	2	3	23	21
10 Influenza (all groups).....	25	16	41	.073	.142	.090	.650	8	17	6	10	14	27
11 Miliary fever.....													
12 Asiatic cholera.....													
13 Cholera nostras.....													
14 Dysentery.....	2	2	4	.006	.018	.009	.063	2		1	1	3	1
15 Plague.....													
16 Yellow fever.....													
17 Leptosy.....													
18 Erysipelas.....	3	2	5	.009	.018	.011	.080	2	1	2		4	1
19 Other epidemic diseases.....													
20 Septicemia and purulent infection.....	10	8	18	.029	.071	.040	.285	4	6	3	5	7	11
21 Glanders.....													
22 Anthrax.....													
23 Rabies.....	3	2	5	.009	.018	.011	.080	3		2		5	
24 Tetanus.....													
25 Myositis.....													
26 Pellagra.....	1	1	2	.003	.009	.004	.032		1		1		2
27 Beriberi.....													
28 Tuberculosis, pulmonary.....	214	277	491	.626	2.404	1.082	7.787	122	92	150	127	272	219
29 Tuberculosis, miliary.....	7	7	14	.020	.062	.031	.222	6	1	2	5	8	6
30 Tuberculosis, meningial.....	12	13	25	.035	.116	.055	.396	7	5	5	8	12	13
31 Tuberculosis, abdominal.....	8	6	14	.023	.053	.031	.222	5	3	1	5	6	8
32 Tuberculosis, spinal (Pott's disease).....	4	5	9	.012	.044	.020	.143	4		2	3	6	3
33 Tuberculosis, joints (white swelling).....		4	4		.036	.009	.063			2	2	2	2
34 Tuberculosis, other organs:													
1. Adenitis.....	3		3	.009		.007	.048	2	1			2	1
2. Kidney.....	2	1	3	.006	.009	.006	.047	1	1	1		2	2
3. Osteomyelitis.....	1	2	3	.003	.018	.007	.048				1	1	1

35	Tuberculosis, generalized.....	2	1	3	.006	.009	.006	.047	1	1	1	1	1	1	2
36	Rickets.....	2	5	7	.006	.044	.015	.111	2	1	4	1	1	1	6
37	Syphilis:														
	1. Adults.....	21	16	37	.061	.142	.081	.587	20	1	8	8	28	9	9
	2. Congenital.....	1	13	14	.003	.116	.031	.222	1	1	9	4	9	5	5
38	Gonorrhoal infection.....	1	1	2	.003	.069	.065	.031	1	1	1	1	1	1	1
39	Cancer of buccal cavity:														
	1. Jaw.....	5	1	6	.015	.009	.013	.065	4	1	1	1	4	2	2
	2. Lip.....	2	1	3	.006	.004	.032	.032	1	1	2	2	1	1	1
	3. Tongue.....	9	4	13	.026	.036	.029	.206	9	1	2	2	11	2	2
40	Cancer of stomach, liver, etc:														
	1. Liver.....	37	4	41	.108	.036	.090	.650	19	18	2	2	21	20	20
	2. Esophagus.....	12	1	13	.035	.009	.026	.190	10	2	1	1	10	2	2
	3. Pharynx.....	1	1	2	.002	.002	.016	.016	1	1	1	1	1	1	1
	4. Stomach.....	78	33	111	.228	.293	.245	1.760	48	30	16	17	64	47	47
41	Cancer of intestines, etc:														
	1. Intestines.....	42	14	56	.123	.125	.123	.888	11	31	6	8	17	39	39
	2. Omentum.....	3	1	4	.043	.002	.016	.016	1	1	1	1	2	1	1
	3. Peritoneum.....	3	1	4	.009	.006	.006	.048	2	1	1	1	2	1	1
42	Cancer of female genital organs:														
	1. Ovary.....	3	1	4	.009	.007	.007	.047	3	3	1	1	1	3	3
	2. Uterus.....	55	24	79	.161	.213	.174	1.553	55	55	24	24	79	79	79
43	Cancer of breast.....	41	16	57	.120	.142	.126	.804	1	40	16	16	1	56	56
44	Cancer of face.....	2	1	3	.006	.069	.007	.048	1	1	1	1	2	1	1
45	Cancer of other organs:														
	1. Abdomen.....	8	1	9	.023	.018	.018	.127	1	7	1	1	1	7	7
	2. Antrum of Highmore.....	2	2	4	.006	.005	.005	.031	2	2	1	1	1	2	2
	3. Arm.....	1	1	2	.003	.002	.002	.016	1	1	1	1	2	1	1
	4. Axilla.....	2	2	4	.005	.004	.004	.031	2	2	1	1	2	2	2
	5. Bladder.....	12	1	13	.035	.009	.029	.206	6	6	1	1	1	7	7
	6. Eye.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	7. Forehead.....	2	2	4	.006	.005	.005	.032	2	2	1	1	2	2	2
	8. Groin.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	9. Kidney.....	4	1	5	.012	.009	.011	.080	2	2	1	1	3	2	2
	10. Knee.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	11. Larynx.....	5	5	10	.015	.011	.011	.080	5	5	1	1	5	5	5
	12. Leg.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	13. Lung.....	10	10	20	.029	.022	.022	.159	5	5	5	5	5	5	5
	14. Mediastinum.....	2	2	4	.006	.004	.004	.031	1	1	1	1	1	1	1
	15. Neck.....	7	7	14	.020	.015	.015	.111	6	6	1	1	6	6	6
	16. Pancreas.....	8	1	9	.023	.009	.020	.143	4	4	1	1	4	4	4
	17. Parotid.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	18. Pelvic organs.....	1	1	2	.003	.009	.005	.032	1	1	1	1	1	2	2
	19. Penis.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	20. Prostate.....	7	7	14	.021	.009	.018	.127	7	7	1	1	8	8	8
	21. Sarcinomatosis.....	4	1	5	.012	.009	.011	.079	1	3	1	1	1	4	4
	22. Temporal region.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	23. Throat.....	7	7	14	.020	.009	.018	.127	7	7	1	1	8	8	8
	24. Testicle.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1
	25. Vertebrae.....	1	1	2	.003	.002	.002	.016	1	1	1	1	1	1	1

TABLE 1a.—*Showing deaths and death rates in the District of Columbia during the calendar year 1922, arranged with reference to race and sex and classified with reference to causes of death—Continued.*

Cause of death.	Total deaths.			General death rates.			Per-centage of each cause to total mortality.	Deaths by race and sex.						Total by sex.	
								White.			Colored.				
								Male.		Female.	Male.		Female.		
	White.	Colored.	All.	White.	Colored.	All.									
I. General diseases—Continued.															
46 Tumors, nonmalignant:															
1. Adenoma of neck.....	2	1	2	0.006	0.009	0.004	0.031	1	1	.....	.....	.....	.....	1	1
2. Papilloma of bladder.....	10	7	17	.029	.002	.037	.016	7	3	1	6	1	.....	13	4
47 Rheumatism, acute.....	5	2	7	.015	.018	.015	.111	2	3	1	1	1	.....	3	4
48 Rheumatism, chronic and gout.....															
49 Scurvy.....	56	22	78	.164	.196	.172	1.237	24	32	7	15	2	.....	31	47
50 Diabetes.....	6	7	13	.018	.002	.029	.206	2	4	.....	.....	7	.....	2	11
51 Goiter, exophthalmic.....	2	2	4	.006	.005	.005	.032	2	3	.....	.....	.....	.....	10	3
52 Addison's disease.....	11	2	13	.032	.018	.029	.206	8	27	4	1	.....	.....	18	28
53 Leukemia.....	41	5	46	.120	.044	.101	.730	14	.....	.....	.....	.....	.....	.....	.....
54 Anæmia.....															
Other general diseases:															
1. Addison's.....	8	1	9	.023	.003	.018	.127	2	6	.....	.....	.....	.....	2	6
2. Diabetes insipidus.....	1	1	2	.003	.002	.002	.016	.....	1	.....	.....	.....	.....	.....	1
3. Haemophilia.....	1	1	2	.003	.002	.002	.016	.....	1	.....	.....	.....	.....	.....	1
4. Purpura hæmorrhagica.....	5	1	6	.014	.009	.014	.065	2	3	.....	.....	.....	.....	3	3
5. Alcoholism.....	3	2	5	.009	.018	.011	.079	3	.....	.....	2	.....	.....	5	.....
Lead poisoning, chronic.....	3	3	6	.009	.007	.007	.048	3	.....	.....	.....	.....	.....	3	.....
Other occupational poisoning, chronic.....															
Vermol user (over dose).....	1	.....	1	.003	.....	.002	.016	.....	1	.....	.....	.....	.....	.....	1
Total, general diseases.....	922	551	1,473	2.698	4.902	3.245	23.362	458	464	.....	259	292	.....	717	756
II. Diseases of nervous system and organs of special sense.															
60 Encephalitis (abscess).....	9	5	14	.026	.044	.031	.222	4	5	.....	2	3	.....	6	8
Encephalitis, tubercular.....	15	.....	15	.044	.....	.033	.238	8	7	.....	.....	.....	.....	8	7
61 Meningitis, epidemic cerebrospinal.....	1	.....	1	.003	.....	.002	.016	.....	1	.....	.....	.....	.....	.....	1
62 Meningitis, simple.....	25	13	38	.073	.116	.084	.603	19	6	.....	6	7	.....	25	13
Locomotor ataxia.....	4	2	6	.011	.018	.013	.095	3	1	.....	2	.....	.....	5	1
Other diseases of spinal cord:															
1. Atrophy, progressive muscular.....	1	.....	1	.003	.....	.002	.016	1	.....	.....	.....	.....	.....	1	.....
2. Bulbar paralysis.....	1	.....	1	.003	.....	.002	.016	.....	1	.....	.....	.....	.....	.....	1
3. Myelitis.....	5	1	6	.015	.009	.013	.095	4	1	.....	1	.....	.....	5	1
4. Paralysis agitans.....	8	.....	8	.023	.....	.018	.127	5	3	.....	.....	.....	.....	5	3
5. Spinal sclerosis.....	2	1	3	.006	.009	.007	.047	1	1	.....	1	.....	.....	2	.....

64	Cerebral hemorrhage (apoplexy).....	328	163	491	.960	1,430	1,082	7,787	144	184	62	101	206	285
65	Cerebral softening.....	2	4	2	.006	.000	.004	.032	2	3	2	2	2	5
66	Hemiplegia paraplegia.....	4	4	8	.012	.036	.018	.127	1	3	2	2	3	5
67	General paralysis of insane.....	29	16	45	.085	.112	.089	.714	27	2	14	2	41	4
68	Mental alienation.....	1	5	6	.003	.044	.014	.095	1	3	2	3	3	5
69	Epilepsy.....	6	6	12	.018	.033	.026	.190	3	3	4	2	7	5
70	Convulsions (non-puerperal).....	4	3	7	.011	.027	.015	.111	2	2	2	1	4	3
71	Convulsions, infantile.....	2	2	2	.006	.018	.005	.032	.....	2	.....	2	.....	2
72	Chorea.....	.....	.....	.....	.....	.....	.004	.032	.....	.....	.....	.....	.....	.....
73	Neuritis.....	9	8	17	.026	.071	.037	.269	5	4	3	5	8	9
74	Other diseases of nervous system:	1	.....	1	.003	.015	.002	.016	3	2	.....	.....	3	1
	1. Cerebral tumor.....	5	.....	1	.015	.049	.002	.079	.....	.....	.....	.....	.....	2
	2. Crinism.....	.....	1	1	.....	.009	.002	.016	.....	.....	.....	1	.....	1
	3. Hydrocephalus, acute.....	.....	1	1	.....	.009	.003	.016	.....	.....	.....	1	.....	1
	4. Neurasthenia.....	.....	1	1	.....	.009	.002	.016	.....	.....	.....	1	.....	1
	5. Paralysis of diaphragm.....	.....	1	1	.....	.009	.002	.016	.....	.....	.....	1	.....	1
75	Gloma of retina.....	.....	1	1	.....	.009	.002	.016	.....	.....	.....	1	.....	1
76	Otitis media.....	4	1	5	.012	.009	.011	.079	3	1	1	.....	4	1
	Total diseases of nervous system and organs of special sense.....	466	233	699	1,364	2,073	1,540	11,086	236	240	102	131	338	361
III. Diseases of circulatory system.														
77	Pericarditis.....	5	1	6	.015	.009	.013	.095	2	3	1	.....	3	3
78	Endo and myocarditis (under 60 years).....	96	93	189	.280	.827	.416	2,998	49	47	44	49	93	96
79	Organic heart disease, valvular.....	504	217	721	1,475	1,931	1,589	11,435	235	269	99	118	334	387
80	Angina pectoris.....	65	4	69	.190	.036	.132	1,094	47	18	1	3	48	21
	Diseases of arteries:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Aneurism.....	21	12	33	.061	.107	.073	.523	10	11	5	7	15	18
	2. Aortitis.....	.....	1	1	.....	.000	.002	.016	.....	.....	.....	.....	1	.....
	3. Arteriosclerosis.....	133	28	161	.448	.349	.399	2,871	67	81	14	14	81	100
82	Embolism and thrombosis.....	30	11	41	.088	.098	.090	.650	18	12	3	8	21	20
83	Varicose ulcer.....	.....	1	1	.....	.009	.002	.016	.....	.....	1	.....	1	.....
84	Lymphatic system, diseases of:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Status lymphaticus.....	5	.....	5	.015	.027	.011	.079	5	.....	.....	.....	5	.....
	2. Thymic asthma.....	.....	3	3	.....	.007	.007	.047	.....	.....	1	2	1	2
85	Other diseases of circulatory system:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Adams-Stokes disease.....	1	1	1	.....	.009	.003	.016	.....	.....	1	.....	1	.....
	2. Epistaxis.....	1	1	1	.....	.009	.002	.016	.....	.....	1	.....	1	.....
	3. Fibrillation.....	2	.....	2	.006	.004	.004	.032	1	1	.....	.....	1	1
	4. Throat hemorrhage from.....	1	.....	1	.003	.003	.002	.016	.....	.....	.....	.....	.....	1
	Total diseases of circulatory system.....	882	373	1,255	2,581	3,320	2,704	19,994	434	448	172	201	606	649
IV. Diseases of respiratory system.														
86	Diseases of nasal fossae.....	.....	1	1	.....	.009	.002	.016	.....	.....	1	.....	1	.....
87	Oedema of larynx.....	.....	.....	.....	.....	.....	.015	.016	.....	.....	.....	.....	.....	5
88	Hyperthyroidism.....	5	.....	5	.015	.029	.011	.079	.....	5	.....	.....	.....	.....
89	Bronchitis, acute.....	10	14	24	.029	.125	.033	.381	2	8	7	7	9	15
	Bronchitis, capillary.....	2	11	13	.006	.098	.029	.206	1	1	7	4	8	5

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1922, arranged with reference to race and sex and classified with reference to causes of death—Continued.

Cause of death.	Total deaths.			General death rates.			Per-centage of each cause to total mor-tality.	Deaths by race and sex.				Total by sex.	
								White.		Colored.			
	White.	Colored.	All.	White.	Colored.	All.		Male.	Female.	Male.	Female.	Male.	Female.
IV. Diseases of respiratory system—Continued.													
80	Bronchitis, chronic.....	18	4	22	0.053	0.036	0.018	0.349	4	14	4	4	18
91	Pneumonia, broncho, etc.....	200	163	363	.585	1.450	.800	5.757	125	75	205	83	158
92	Pneumonia, lobar, etc.....	113	133	246	.418	1.181	.698	4.377	76	67	141	68	135
93	Empyema.....	10	10	20	.029	.022	.022	1.159	7	3	7	7	3
94	Pleurisy.....	5	8	13	.014	.071	.029	.206	2	3	6	2	8
	Pulmonary congestion.....	6	2	8	.018	.018	.018	.127	5	1	2	7	1
95	Pulmonary oedema.....	1	1	2	.003	.....	.002	.016	1	.....	1	.....	1
	Pulmonary gangrene.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
96	Asthma.....	6	3	9	.018	.027	.020	.113	3	3	2	1	5
97	Pulmonary emphysema.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
98	Other diseases, respiratory system (nontubercular):	5	6	11	.015	.033	.024	.174	4	1	4	2	8
	1. Abscess pulmonary.....	1	1	2	.003	.....	.002	.016	1	.....	1	.....	1
	2. Fibrosis, pulmonary.....	3	3	6	.009	.026	.013	.095	1	2	2	1	3
	3. Hemorrhage, pulmonary.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total diseases of respiratory system.....													
415		348	763	1.215	3.096	1.681	12.101	232	183	408	176	172	355
V. Diseases of digestive system.													
99	Parotid abscess.....	.....	1	1	.....	.009	.002	.016	.....	.....	1	.....	1
	Spurue.....	.....	1	1	.....	.009	.002	.016	.....	.....	1	.....	1
100	Diseases of pharynx:	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	1. Ludwig's angina.....	1	.....	1	.003	.....	.002	.016	.....	1	.....	.....	1
	2. Pharyngitis.....	1	.....	1	.003	.....	.003	.016	.....	1	.....	.....	1
	3. Tonsillitis.....	3	3	6	.009	.027	.013	.095	2	1	3	2	4
Diseases of oesophagus.....													
101	Gastric ulcer.....	13	14	27	.038	.125	.039	.428	12	7	19	4	16
103	Gastritis.....	15	19	34	.044	.169	.075	.339	8	7	15	7	12
	Indigestion.....	4	12	16	.012	.07	.053	.254	1	3	3	3	9
104	Diarrheal diseases (under 2 years).....	47	60	107	.137	.331	.236	1.697	31	16	32	28	63
105	Diarrheal diseases (2 years and over).....	32	22	54	.094	.196	.119	.856	17	15	8	14	25
106	Ankylostomiasis.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
107	Parasites, intestinal.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
108	Appendicitis.....	31	26	57	.091	.231	.126	.904	22	9	34	12	23

109	Hernia, obstruction, etc.:	7	10	11	.020	.089	.037	.270	4	3	4	6	8	9
	1. Hernia.....	5	4	9	.015	.036	.020	.143	4	1	1	3	5	4
	2. Intussusception and volvulus.....	39	9	48	.114	.080	.106	.761	13	26	2	7	15	33
110	Other diseases of intestines:													
	1. Ischio-rectal abscess.....		1	1	.009	.009	.002	.016			1		1	
	2. Intestinal perforation (hemorrhage).....	3	3	3	.009	.007	.007	.048	2	1			2	
	3. Multiple diverticulæ (intestines).....	2	1	1	.006	.009	.002	.016				1		1
	4. Megacolon.....		2	2	.006	.004	.004	.032	2				2	
111	Yellow atrophy of liver.....													
112	Hydatid tumor of liver.....	18	7	25	.033	.062	.055	.386	13	5	4	3	17	8
113	Cirrhosis of liver.....	10	1	11	.029	.009	.024	.174	3	7		1	3	8
114	Cholelithiasis.....													
115	Other diseases of liver:													
	1. Hepatic abscess.....	4	1	5	.011	.009	.011	.079	3	1	1		4	1
	2. Cholangitis.....	2	2	2	.006	.004	.004	.032	1	1			1	1
	3. Cholecystitis.....	12	2	14	.035	.018	.031	.222	5	7	1	1	6	8
	4. Empyema, gall bladder.....	2	2	2	.006	.004	.004	.032	2				2	
116	Diseases of the spleen.....													
117	Peritonitis.....	5	2	7	.014	.018	.015	.111	3	2		2	3	4
118	Retroperitoneal cyst.....	1	1	1	.009	.009	.003	.016			1		1	
	Pancreatitis.....	3	3	3	.009	.007	.007	.047	2	1			2	1
	Total diseases of the digestive system.....	259	197	436	.758	1.755	1.004	7.282	150	109	83	114	233	223
VI. Nonvenereal diseases of genitourinary system.														
119	Nephritis, acute.....	11	27	38	.032	.240	.084	.643	4	7	12	15	16	22
120	Nephritis, chronic.....	326	156	482	.934	1.388	1.062	7.645	163	163	77	79	240	242
121	Chyluria.....													
122	Other diseases of kidneys and annexa:													
	1. Hydronephrosis.....	1		1	.003	.003	.002	.016		1			1	1
	2. Nephritic congestion.....	1		1	.003	.003	.002	.016	1				1	
	3. Pyelitis.....	10	2	12	.029	.018	.026	.190	7	3		2	7	5
	4. Pyrometritis.....		4	4		.036	.009	.083			1	3	1	3
123	Neoprolithiasis.....					.003	.003	.016						
124	Gyrtitis.....	2	1	3	.006	.009	.007	.048	1	1	1		2	1
125	Urethral stricture.....	1	2	3	.003	.015	.006	.047	1	1	2		3	
126	Prostatic hypertrophy.....	5	12	17	.015	.062	.026	.190	5		7		12	
127	Scrotal phlegmon.....		1	1	.009	.009	.002	.016			1		1	
128	Uterine hemorrhage (nonpuerperal).....		1	1	.020	.009	.002	.015				1		1
129	Uterine fibroids.....	7	9	16	.020	.080	.035	.254		7		9	16	
130	Pelvic abscess.....	3	3	6	.009	.027	.013	.095		3		3	6	
131	Ovarian cyst.....													
132	Ovarian abscess.....	2	2	2	.018	.018	.004	.032				2		2
133	Salpingitis.....	3	7	10	.009	.062	.022	.159		3		7		10
	Mastitis.....	1	1	1	.003	.003	.003	.016		1			1	1
	Total nonvenereal diseases of genitourinary system.....	371	223	594	1.086	1.985	1.308	9.421	182	189	102	121	284	310

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1922, arranged with reference to race and sex and classified with reference to causes of death—Continued.

Cause of death.	Total deaths.						General death rates.			Per-centage of each cause to total mor-tality.	Deaths by race and sex.				Total by sex.	
	White.			Colored.			All.	White.	Colored.		All.	White.		Colored.		
	White.	Colored.	All.	Male.	Female.	Total.						Male.	Female.	Total.	Male.	Female.	Total.
VII. The puerperal state.																
134	Accidents of pregnancy:															
	1. Abortion, accidental.....	2	4	4	.006	.036	.009	.063				4			4	
	2. Abortion, self-induced.....	2		2	.006		.004	.032					2		2	
	3. Ectopic gravidarium.....	2	1	3	.006	.009	.006	.048				1			1	
	4. Hemorrhage of pregnancy.....	3	1	4	.009	.009	.007	.016								
135	5. Pregnancy, ectopic.....	3	3	6	.009	.035	.013	.065				4			4	
136	Postpartum hemorrhage.....	2	4	6	.006	.003	.004	.016								
137	Caesarean section.....	1	1	2	.003	.018	.007	.047				1			1	
	Parturition.....	1	2	3	.003	.005	.004	.032				2			2	
	Puerperal peritonitis.....	2	2	4	.005	.004	.004	.032								
138	Puerperal septicemia and fever.....	4	9	13	.012	.080	.028	.296				4			4	
139	Puerperal nephritis and eclampsia.....	12	6	18	.035	.053	.040	.285				12			12	
140	Puerperal embolism.....	1	1	2	.003		.002	.016				1			1	
141	Other puerperal diseases.....															
	Puerperal diseases of breast.....															
	Total, the puerperal state.....	30	27	57	.088	.240	.126	.904				30		27	57	
VIII. Diseases of skin and cellular tissue.																
142	Gangrene:															
	1. Buttocks.....		1	1		.009	.002	.016					1		1	
	2. Buccal cavity.....		1	1		.009	.002	.016					1		1	
	3. Canerumoris.....	1		1	.003		.002	.016								
	4. Extremities.....	3	3	6	.009	.027	.013	.065				3		2	5	
	5. Penis.....	1	1	2	.003	.009	.002	.016						1	1	
	6. Remands.....	1	1	2	.003	.009	.002	.016						1	1	
	7. Scrotum.....	7	1	8	.009	.003	.002	.016				1		1	1	
	8. Vulva.....	1	1	2	.003	.003	.002	.016						1	1	
143	Carbuncle.....															
144	Abscess, acute:															
	1. Cellulitis.....	3	3	6	.008	.044	.007	.048				3			3	
	2. Multiple.....	2	5	7	.006	.044	.015	.111				1	4	2	5	
	3. Retroperitoneal.....		1	1		.009	.002	.015							1	

145	Other diseases of skin, etc.: 1. Peczima..... 2. Impetigo contagiosa..... Total diseases of skin and cellular tissue.....	1 1	..... .....	1 1	.003 .003	..........	.003 .002	.016 .016	1 1	..........	..........	..........	..........
		11	15	26	.032	.133	.057	.412	5	6	7	8	12
													14
						</							

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1922, arranged with reference to race and sex and classified with reference to causes of death—Continued.

Cause of death.	Total deaths.			General death rates.			Per-centage of each cause to total mor-tality.	Deaths by race and sex.				Total by sex.	
								White.		Colored.			
	White.	Colored.	All.	White.	Colored.	All.		Male.	Female.	Male.	Female.	Male.	Female.
XII. Old age.													
154 Senility, total.....	58	17	75	0.170	0.151	0.165	1.190	20	38	7	10	27	48
XIII. External causes.													
Suicide by poisons:													
1. Arsenic.....	3	1	3	.009	.009	.007	.048	1	2			1	2
2. Carbolic acid.....					.009	.002	.016	1			1	1	1
3. Cocaine.....	1		1	.003	.009	.002	.016						
4. Lye.....					.009	.006	.047		2		1	1	3
5. Mercury, bichloride.....	2	1	3	.006	.004	.004	.032	2				2	
6. Morphine.....	2		2	.003	.003	.002	.015	1	1			1	1
7. Sodium cyanide.....	1	1	2	.003	.003	.003	.016	1	1			1	1
8. Strychnine.....	1	1	2	.003	.003	.002	.016	1	1			1	1
9. Veronal.....	1	1	2	.003	.003	.002	.016	1	1			1	1
10. Wood alcohol.....	1		1	.003	.002	.002	.016						
Suicide, illuminating gas.....	11		11	.032	.024	.024	.175	5	6			5	6
Suicide, hanging.....	3	3	6	.009	.007	.007	.048	2	1			2	1
Suicide, drowning.....	3	3	6	.009	.006	.006	.047	2	3			2	3
Suicide, firearms.....	25	2	27	.073	.018	.059	.438	22	3	2		24	3
Suicide, cutting instruments.....	3	3	6	.009	.007	.007	.048	3	3			3	3
Suicide, jumping from high places.....	3	3	6	.009	.007	.007	.047	1	2			1	2
Suicide, crushing.....	1		1				.032						
Suicide, fire.....	1	1	2	.003	.009	.004	.032				1		1
Botulism, and ptomaine poisoning, accidental.....	2		2	.006	.005	.005	.032	1	1			1	1
Other acute poisoning, accidental:													
1. Aconite.....	1		1	.003		.002	.015					1	
2. Arsenic.....		1	1		.009	.002	.016			1		1	
3. Coal oil.....		1	1		.009	.003	.016			1		1	
4. Lye.....					.003	.002	.016					1	
5. Methyl alcohol.....	1	1	2	.003	.003	.002	.016	1	1			1	1
6. Mercury, bichloride.....	1	1	2	.003	.003	.002	.016					1	1
7. Potassium cyanide.....	1	1	2	.003	.003	.002	.016					1	1
8. Strychnine.....	2	2	4	.003	.003	.002	.016	1	1			1	1
9. Veronal.....	1	1	2	.003	.003	.002	.016	1	1			1	1

166	Conflagration, burns, accidental.....	1	3	4	.003	.027	.009	.063	1	11	2	3	1	3	1
167	Burns and scalds, accidental.....	16	15	31	.047	.133	.068	.492	5	9	3	12	8	23	1
168	Absorption of deleterious gases, accidental: 1. Ether narcosis..... 2. Illuminating gas..... 3. Suffocated in bed.....	1	1	1	.003	.036	.002	.016	1	1	1	1	1	2	1
169	Drowning, accidental.....	10	4	14	.029	.031	.002	.222	9	1	3	1	12	2	1
170	Firearms, accidental.....	16	11	27	.047	.098	.060	.428	14	2	10	1	24	3	3
171	Spears wound of neck, accidental.....	4	2	6	.012	.018	.013	.095	4	4	2	6	6	1	1
172	Falls, accidental.....	1	1	1	.003	.080	.121	.872	1	24	6	3	28	27	1
173	Traumatism in mines, accidental.....	46	9	55	.134	.080	.121	.872	22	24	6	3	28	27	1
174	Traumatism, machinery, etc.: 1. Elevator accident..... 2. Machinery, accidental.....	2	1	3	.006	.009	.007	.048	2	2	1	1	3	2	1
175	Other traumas, vehicles, railways, etc., accidental: 1. Airplane..... 2. Automobiles..... 3. Asphyxiation, caving earth bank..... 4. Guncock explosion..... 5. Knickerbocker Theater disaster..... 6. Runaway team..... 7. Railway, electric (street)..... 8. Railway, steam..... 9. Roller coaster, fall from..... 10. Sliding door, crushed by..... 11. Vehicle, injured by..... Kicked by horse..... Starvation..... Exposure to cold..... Heat exhaustion (sunstroke)..... Lightning..... Electric shock..... Homicide, firearms..... Homicide, cutting instruments..... Homicide, other forms: 1. Assault, fractured skull..... 2. Abortion, criminal..... 3. Automobile, struck by..... 4. Electric street car, struck by..... 5. Kicked, rupture of bladder..... 6. Poisoned by heroin..... Fracture of neck, accident..... Other external causes, accidental: 1. Falling body, injured by..... 2. Football game, injured in..... 3. Knocked down by crowd of boys..... 4. Legal execution..... 5. Strangulation, vomiting.....	2	2	2	.005	.004	.007	.032	2	2	1	1	3	2	1
176	1. Airplane.....	3	3	3	.009	.071	.007	.048	3	6	6	2	49	3	8
177	2. Automobiles.....	49	8	57	.143	.009	.002	.904	43	1	1	1	1	1	1
178	3. Asphyxiation, caving earth bank.....	1	1	1	.009	.009	.002	.016	1	1	1	1	1	1	1
179	4. Guncock explosion.....	97	1	97	.283	.044	.214	1.538	53	44	5	10	53	44	44
180	5. Knickerbocker Theater disaster.....	5	5	5	.011	.024	.011	.079	6	2	5	5	5	5	5
181	6. Runaway team.....	8	3	11	.023	.027	.024	.174	4	1	3	1	5	2	2
182	7. Railway, electric (street).....	5	1	6	.015	.009	.013	.065	4	1	1	1	5	1	1
183	8. Railway, steam.....	1	1	1	.003	.002	.002	.016	1	1	1	1	1	1	1
184	9. Roller coaster, fall from.....	1	1	1	.003	.002	.002	.016	1	1	1	1	1	1	1
185	10. Sliding door, crushed by.....	1	1	1	.003	.002	.002	.016	1	1	1	1	1	1	1
186	11. Vehicle, injured by.....	2	1	3	.006	.009	.007	.047	2	1	1	1	3	1	1
187	Kicked by horse.....	2	1	3	.006	.009	.007	.047	2	1	1	1	3	1	1
188	Starvation.....	2	2	4	.006	.018	.009	.063	2	2	2	2	4	4	4
189	Exposure to cold.....	2	2	4	.006	.018	.009	.063	2	2	2	2	4	4	4
190	Heat exhaustion (sunstroke).....	3	3	3	.009	.007	.007	.048	3	3	3	3	3	3	3
191	Lightning.....	10	18	28	.029	.160	.062	.444	9	1	14	4	23	5	5
192	Electric shock.....	2	5	7	.006	.044	.015	.111	2	2	4	1	6	1	1
193	Homicide, firearms.....	1	5	6	.003	.044	.013	.095	1	1	3	2	4	2	2
194	Homicide, cutting instruments.....	2	2	2	.003	.044	.013	.095	1	1	3	2	4	2	2
195	Homicide, other forms: 1. Assault, fractured skull..... 2. Abortion, criminal..... 3. Automobile, struck by..... 4. Electric street car, struck by..... 5. Kicked, rupture of bladder..... 6. Poisoned by heroin..... Fracture of neck, accident..... Other external causes, accidental: 1. Falling body, injured by..... 2. Football game, injured in..... 3. Knocked down by crowd of boys..... 4. Legal execution..... 5. Strangulation, vomiting.....	3	3	6	.009	.027	.013	.065	3	3	2	1	5	1	1
196	1. Assault, fractured skull.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
197	2. Abortion, criminal.....	2	2	2	.003	.044	.013	.095	1	1	3	2	4	2	2
198	3. Automobile, struck by.....	3	3	6	.009	.027	.013	.065	3	3	2	1	5	1	1
199	4. Electric street car, struck by.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
200	5. Kicked, rupture of bladder.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
201	6. Poisoned by heroin.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
202	Fracture of neck, accident.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
203	Other external causes, accidental: 1. Falling body, injured by..... 2. Football game, injured in..... 3. Knocked down by crowd of boys..... 4. Legal execution..... 5. Strangulation, vomiting.....	4	1	5	.012	.009	.011	.079	4	4	1	1	5	1	1
204	1. Falling body, injured by.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
205	2. Football game, injured in.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
206	3. Knocked down by crowd of boys.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
207	4. Legal execution.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
208	5. Strangulation, vomiting.....	1	1	1	.003	.044	.013	.095	1	1	3	2	4	2	2
209	Total external causes.....	370	110	480	1.083	.980	1.057	7.613	249	121	75	35	324	156	156

TABLE 1a.—Showing deaths and death rates in the District of Columbia during the calendar year 1922, arranged with reference to race and sex and classified with reference to causes of death—Continued.

Cause of death.	Total deaths.			General death rates.			Per-centage of each cause to total mor-tality.	Deaths by race and sex.				Total by sex.		
	White.	Colored.	All.	White.	Colored.	All.		White.		Colored.		Male.	Female.	
								Male.	Female.	Male.	Female.			
XIV. Ill-defined diseases.														
187 Ill-defined organic diseases.....														
188 Sudden death.....														
189 Ill-defined causes.....														
1. Marasmus.....	1	1	2	0.003	0.009	0.004	0.032	1	1	1	2	1	2	
2. Unknown cause.....		1	1		.009	.002	.016							
Total ill-defined diseases.....	1	2	3	.003	.018	.007	.048	1	2	2	3	3	3	
SUMMARY.														
I General diseases.....	922	551	1,473	2,698	4,902	3,245	23,362	458	464	259	292	717	756	
II Diseases of nervous system and organs of special sense.....	466	233	699	1,364	2,073	1,540	11,086	236	230	102	131	338	361	
III Diseases of circulatory system.....	882	373	1,255	2,581	3,320	2,764	19,904	434	448	172	201	606	649	
IV Diseases of respiratory system.....	415	348	763	1,215	3,096	1,681	12,101	232	183	176	172	408	355	
V Diseases of digestive system.....	259	197	456	758	1,755	1,004	7,232	150	109	83	114	233	223	
VI Diseases of genito-urinary system (nonvenereal).....	371	223	594	1,086	1,955	1,308	9,421	182	189	102	121	284	310	
VII The puerperal state.....	30	27	57	88	240	126	.904	30	30	27	27	28	57	
VIII Diseases of skin and cellular tissue.....	11	15	26	132	133	133	.412	5	6	7	8	12	14	
IX Diseases of bones and organs of locomotion.....	15	6	21	104	.053	.033	.333	7	8	1	5	8	13	
X Malformations.....	34	2	36	699	.018	.079	.571	20	14	1	21	21	15	
XI Early infancy.....	209	158	367	612	1,407	.808	5,821	109	100	84	74	193	174	
XII Senility.....	58	17	75	170	.151	.165	1,190	20	38	7	10	27	48	
XIII External causes.....	370	110	480	1,083	.980	1,037	7,613	249	121	75	35	324	156	
XIV Ill-defined causes.....	1	2	3	.003	.018	.007	.048	1	2	2	3	3		
Total deaths, all causes.....	4,043	2,262	6,305	11,833	20,131	13,887	(99,998) 100,000	2,103	1,940	1,071	1,191	3,174	3,131	

[illegible]

[illegible]

[illegible]

VIII. Diseases of skin and cellular tissue.

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Classification No.	Cause of death.	Under 1 year.				1 year.				2 years.				3 years.				4 years.				Total under 5 years.			
		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		Total by race.			
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	W.	C.	All.	
	<i>I. General diseases—Continued.</i>																								
35	Tuberculosis, generalized.	1	1																						
36	Rickets.																								
37	Syphilis.																								
	1. Adults.																								
	2. Congenital.	1	8	3																					
38	Gonorrheal infection.																								
39	Cancer of buccal cavity:																								
	1. Jaw.																								
	2. Lip.																								
	3. Tongue.																								
40	Cancer of stomach, liver, etc.:																								
	1. Liver.																								
	2. Esophagus.																								
	3. Pharynx.																								
	4. Stomach.																								
41	Cancer of intestines, etc.:																								
	1. Intestines.																								
	2. Omentum.																								
42	Cancer of female genital organs:	1																							
	1. Ovary.																								
	2. Uterus.																								
43	Cancer of breast.																								
44	Cancer of face.																								
45	Cancer of other organs:																								
	1. Abdomen.																								
	2. Antrum of Highmore.																								
	3. Arm.																								
	4. Axilla.																								
	5. Bladder.																								
	6. Eye.																								
	7. Forehead.																								
	8. Gland.																								
	9. Kidney.				</																				

Classification No.	Cause of death.	Under 1 year.				1 year.				2 years.				3 years.				4 years.				Total under 5 years.			
		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		White.		Colored.		Total by race.			
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	W.	C.	All.	
	I. General diseases—Continued.																								
35	Tuberculosis, generalized.	1	1																						
36	Rickets.																								
37	Syphilis.																								
	1. Adults.																								
	2. Congenital.	1	8	3																					
38	Gonorrheal infection.																								
39	Cancer of buccal cavity:																								
	1. Jaw.																								
	2. Lip.																								
	3. Tongue.																								
40	Cancer of stomach, liver, etc.:																								
	1. Liver.																								
	2. Esophagus.																								
	3. Pharynx.																								
	4. Stomach.																								
41	Cancer of intestines, etc.:																								
	1. Intestines.																								
	2. Omentum.																								
42	Cancer of female genital organs:	1																							
	1. Ovary.																								
	2. Uterus.																								
43	Cancer of breast.																								
44	Cancer of face.																								
45	Cancer of other organs:																								
	1. Abdomen.																								
	2. Antrum of Highmore.																								
	3. Arm.																								
	4. Axilla.																								
	5. Bladder.																								
	6. Eye.																								
	7. Forehead.																								
	8. Gland.																								
	9. Kidney.																								
	10. Knee.																								
	11. Locomy.																								

[illegible]

Total diseases of skin and cellular tissue.

[illegible]

[illegible]

3.	Hemorrhage, pulmonary.	3	1	3	1	2	9	16	7	13	10	15	12	27	9	19	9	28	22	36	17	19	21	26	31	11	20	35	46	7	12	29	18	3	2	6	3
Total diseases of respiratory system.....																																					
V. Diseases of digestive system.																																					
99	Parotid abscess.																																				
100	Diseases of pharynx:																																				
	1. Ludwig's angina.	1																																			
	2. Pharyngitis.	1																																			
	3. Tonsillitis.	1																																			
101	Diseases of oesophagus.	1																																			
102	Gastric ulcer.	1																																			
103	Gastritis.	1																																			
	Indigestion.	1																																			
104	Diarrheal diseases (under 2 years).	1																																			
105	Diarrheal diseases (2 years and over).	1																																			
106	Ankylostomycias.	1																																			
107	Parasites, intestinal.	1																																			
108	Appendicitis.	1																																			
109	Hernia, obstruction, etc.:	1																																			
	1. Hernia.	1																																			
	2. Intussusception and volvulus.	1																																			
	3. Obstruction, bowels.	1																																			
110	Other diseases of intestines:	1																																			
	1. Ischio-rectal abscess.	1																																			
	2. Intestinal perforation (hemorrhage).	1																																			
	3. Multiple diverticulæ (intestines).	1																																			
	4. Megacolon.	1																																			
111	Yellow atrophy of liver.	1																																			
112	Hydatid tumor of liver.	1																																			
113	Cirrhosis of liver.	1																																			
114	Cholelithiasis.	1																																			
115	Other diseases of liver:	1																																			
	1. Hepatic abscess.	1																																			
	2. Cholangitis.	1																																			
	3. Cholecystitis.	1																																			
	4. Empyema, gall bladder.	1																																			
116	Diseases of the spleen.	1																																			
117	Peritonitis.	1																																			
	Retropneumonic cysts.	1																																			
118	Pancreatitis.	1																																			
Total, diseases of digestive system.....																																					

[illegible]

III. Diseases of circulatory system.

[illegible]

[illegible]

VI. Nonvenereal diseases of genitourinary system.

[illegible]

TABLE 1d.—Showing deaths in the District of Columbia during the calendar year 1922, arranged with reference to marital relations and to nativity and classified with reference to race, sex, and causes of death—Continued.

Classi- fication number.	Cause of death.	Marital relations.										Nativity.					
		Married.		Single.		Widow or widower.		Unknown.		District of Columbia.		Other parts of the United States.		Foreign.		Unknown.	
		W.		C.		W.		C.		W.		C.		W.		C.	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
152	XI. Early infancy—Continued.																
	Other causes peculiar to early infancy:																
	1. Asphyxia neonatorum.....			3	5			1				3	5				
	2. Atresia of anus.....			4	3			3				12	8				
	3. Difficult birth.....			12	8			9				4	3				
	4. Hemorrhage, new born.....			4	11			4				12	8				
	5. Meconium neonatorum.....			1				2				4	11				
	6. Rupture of placenta.....			3				1				3					
	7. Sepsis of new born.....							1									
	Total early infancy.....			109	100			84				109	98			73	
154	XII. Old age.																
	Senility.....	6	2	2	6	1	1	12	30	4	8		1	3	5	1	12
	Total old age.....	6	2	2	6	1	1	12	30	4	8		1	3	5	1	12
155	XIII. External causes.																
	Suicide by poison:																
	1. Arsenic.....	1	1			1								1			
	2. Carbolic acid.....																
	3. Cocaine.....																
	4. Lye.....																
	5. Mercury, bichloride.....																
	6. Morphine.....	2															
	7. Sodium cyanide.....																
	8. Strychnine.....	1															
156	Suicide, illuminating gas.																
	9. Veronal.....																
	10. Wood alcohol.....	3	1			2	4							2	1		

[illegible]

SUMMARY.

I.	General diseases.....	207	185	115	128	177	136	120	94	55	139	20	68	19	1	1	2	133	120	92	102	217	266	158	182	63	64	1	1	15	5	8	7
II.	Diseases of nervous system and organs of special sense.....	114	63	62	40	69	47	23	22	47	118	13	68	6	2	4	1	55	56	35	26	131	134	65	102	40	30	...	1	10	10	7	2
III.	Diseases of circulatory system.....	249	114	84	71	92	82	41	26	81	246	14	102	12	6	3	2	81	104	31	49	251	260	131	141	83	73	...	1	16	11	10	11
IV.	Diseases of respiratory system.....	75	46	62	35	108	63	93	83	41	71	17	52	8	...	1	2	71	62	83	79	105	86	82	82	45	39	...	1	11	5	11	10
V.	Diseases of digestive system.....	62	44	26	35	75	41	50	47	10	24	6	32	3	...	1	...	51	30	45	53	75	60	32	56	19	17	...	1	5	2	5	5
VI.	Diseases of genito urinary system, nonvenereal.....	102	63	49	47	37	29	14	23	36	91	37	49	7	3	2	2	41	46	20	28	104	113	71	88	32	27	...	1	5	3	10	5
VII.	The puerperal state.....	27	17	...	...	...	2	...	8	...	...	...	...	1	...	...	1	...	6	11	...	20	15	...	...	2	...	...	...	2	...	1	
VIII.	Diseases of skin and cellular tissue.....	3	...	2	4	2	4	3	1	...	2	2	3	...	...	...	1	4	1	2	3	2	6	6	1	...	...	...	...	...	...	...	...
IX.	Diseases of bones and organs of locomotion.....	4	2	1	2	3	5	...	2	...	1	...	1	...	...	...	5	3	1	2	2	5	...	3	...	...	...	...	...	...	...	...	...
X.	Malformations.....	...	...	...	...	...	20	14	1	...	...	...	...	...	...	...	...	19	13	1	1	1	...	...	...	...	...	...	...	...	...	...	...
XI.	Early infancy.....	109	100	84	74	...	...	...	...	...	...	...	...	...	...	...	...	109	98	81	73	...	...	...	...	...	...	...	...	...	...	...	...
XII.	Senility.....	6	2	2	...	2	6	1	1	12	30	4	8	...	...	...	1	3	5	...	12	22	7	8	4	11	...	...	...	...	1	...	1
XIII.	Extrenal causes.....	112	39	20	13	101	47	42	13	18	31	6	5	15	1	7	4	50	20	21	10	148	76	43	19	23	8	1	...	28	8	10	6
XIV.	Ill-defined causes.....	...	1	...	1	...	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total deaths, all causes.....		1,043	685	508	466	690	476	389	321	300	763	149	389	70	16	25	15	623	585	410	437	1,079	1,046	596	703	310	262	4	3	91	47	61	48

TABLE 3.—Deaths and average age of decedents in the District of Columbia, arranged according to age, sex, and race, with percentages to total corresponding mortality, from 1901 to 1922, inclusive.

WHITE MALES.

Year.	All ages.			5 years and over.			20 years and over.			40 years and over.		
	Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.	
		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.
1901-1905 ¹	1,875	41 8	7	1,487	52 3 24	79.31	1,398	54 9 20	74.56	1,057	62 9 9	56.37
1906-1910 ¹	2,021	43 11 17	8	1,633	54 3 1	80.80	1,548	56 6 20	76.58	1,217	63 7 6	60.61
1911-1915 ¹	2,229	47 7 8	8	1,725	55 10 13	85.01	1,650	58 0 12	81.32	1,342	63 11 27	66.14
1916-1920 ¹	2,459	52 9 20	9	2,127	52 11 22	86.50	2,001	55 5 9	81.37	1,405	63 8 14	59.58
1921.....	2,088	46 2 14	1	1,759	54 8 22	84.24	1,665	57 1 24	79.74	1,348	63 6 11	64.56
1922.....	2,103	47 1 9	1	1,798	54 11 29	85.50	1,706	57 3 20	81.12	1,364	64 1 7	64.86

WHITE FEMALES.

Year.	All ages.			5 years and over.			20 years and over.			40 years and over.		
	Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.	
		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.
1901-1905 ¹	1,519	43 5 16	1	1,221	52 3 14	80.38	1,144	56 6 0	75.31	867	64 11 6	57.08
1906-1910 ¹	1,605	45 5 27	1	1,308	55 7 22	81.47	1,299	58 4 18	76.56	981	65 3 6	61.04
1911-1915 ¹	1,636	49 7 10	2	1,405	57 5 19	85.88	1,337	59 11 11	81.72	1,133	66 7 1	69.25
1916-1920 ¹	2,033	48 11 2	1	1,789	56 0 11	87.14	1,688	58 5 27	82.22	1,295	66 5 5	63.08
1921.....	1,890	52 9 6	6	1,638	60 8 29	86.67	1,557	63 3 23	82.38	1,320	69 3 11	69.84
1922.....	1,940	53 2 3	3	1,712	60 1 29	88.25	1,643	62 2 19	84.69	1,397	67 10 3	72.01

COLORED MALES.

Year.	All ages.			5 years and over.			20 years and over.			40 years and over.		
	Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.	
		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.
1901-1905 ¹	1,332	28 2 28	2	831	43 1 21	63.89	761	46 6 15	57.88	475	57 8 2	35.56
1906-1910 ¹	1,375	30 4 14	4	957	43 8 11	69.61	809	46 9 17	63.21	525	57 8 4	38.19
1911-1915 ¹	1,280	34 4 14	4	981	45 0 18	76.11	910	47 5 28	70.60	579	57 5 20	44.92
1916-1920 ¹	1,280	35 5 22	1	1,069	44 9 25	78.83	925	47 6 7	72.15	584	57 5 24	45.63
1921.....	945	35 5 11	1	769	45 7 25	77.29	704	48 10 7	70.75	481	57 4 8	48.34
1922.....	1,071	36 4 17	1	842	46 1 12	78.62	789	48 3 2	73.67	534	57 1 16	49.86

COLORED FEMALES.

Year.	All ages.			5 years and over.			20 years and over.			40 years and over.		
	Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.		Deaths.	Average age.	
		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.		Yr. mo. d.	Percent- age to all deaths.
1901-1905 ¹	1,315	29 4 17	1	898	40 11 27	68.29	764	47 1 1	58.10	471	57 8 1	35.82
1906-1910 ¹	1,304	31 0 7	1	930	43 1 23	71.32	814	47 3 20	62.43	496	57 8 1	38.00
1911-1915 ¹	1,234	35 1 27	1	965	44 7 25	78.20	865	48 3 27	70.09	556	58 8 22	45.06
1916-1920 ¹	1,327	36 10 6	2	1,044	44 6 24	82.37	979	48 1 24	73.78	621	58 6 22	46.80
1921.....	1,084	37 8 25	1	885	46 0 24	81.64	808	49 1 2	74.53	562	57 5 25	51.84
1922.....	1,191	38 7 8	1	985	46 5 13	82.70	909	49 1 12	76.32	617	58 2 22	51.81

¹ Annual average for 5-year period.

TABLE 4.—*Decedents (stillbirths excluded) in the District of Columbia under 1 year of age, by race, age, and by month during the calendar year 1922.*

Age.	January.		February.		March.		April.		May.		June.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day.....	9	5	6	5	10	4	9	8	4	4	10	2
1 day to 1 week.....	8	3	3	6	12	5	8	5	5	5	8	9
1 week to 1 month.....	8	3	9	8	6	9	6	4	1	6	4	2
1 month to 2 months.....	7	2	3	0	2	6	3	1	2	0	1	0
2 months to 3 months.....	3	5	3	1	1	3	0	1	1	2	0	1
3 months to 4 months.....	2	1	2	2	0	2	2	2	0	1	1	1
4 months to 5 months.....	2	3	1	2	3	0	1	3	0	1	0	0
5 months to 6 months.....	1	3	1	1	2	1	2	0	0	3	1	2
6 months to 7 months.....	1	3	0	2	3	2	3	0	1	3	1	1
7 months to 8 months.....	3	1	1	0	0	0	0	2	1	0	0	0
8 months to 9 months.....	1	1	3	1	0	0	1	3	1	1	0	0
9 months to 10 months.....	1	2	1	5	1	1	0	1	1	1	0	1
10 months to 11 months.....	1	2	2	1	4	2	2	1	0	0	1	2
11 months to 12 months.....	0	0	0	0	2	1	0	1	0	0	1	0
Total.....	47	34	41	34	46	37	37	30	24	26	29	21
Age.	July.		August.		Septem-ber.		October.		Novem-ber.		Decem-ber.	
	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.	White.	Colored.
Under 1 day.....	11	4	13	6	8	9	8	5	9	7	13	0
1 day to 1 week.....	10	7	4	4	11	3	6	2	6	4	4	4
1 week to 1 month.....	0	2	5	3	1	0	6	4	4	5	4	3
1 month to 2 months.....	2	4	1	3	3	4	4	3	4	3	0	1
2 months to 3 months.....	1	5	3	1	2	2	0	1	1	5	0	1
3 months to 4 months.....	0	2	2	2	2	0	3	0	1	1	0	1
4 months to 5 months.....	1	3	3	3	3	4	1	1	3	4	1	0
5 months to 6 months.....	0	1	0	2	0	1	0	0	1	1	2	1
6 months to 7 months.....	0	1	1	0	1	0	1	1	1	0	1	1
7 months to 8 months.....	1	1	0	0	1	0	2	4	0	1	0	1
8 months to 9 months.....	1	0	0	2	0	2	1	0	0	1	1	2
9 months to 10 months.....	3	3	1	1	0	1	0	3	1	1	2	0
10 months to 11 months.....	1	0	1	1	0	0	0	1	1	1	1	1
11 months to 12 months.....	0	2	0	0	0	1	0	1	1	1	1	2
Total.....	31	35	34	28	32	27	32	29	30	36	33	18

SUMMARY.

Age.	Deaths.			Percentage of—		
	White.	Colored.	White All.	White under 1 year.	Colored under 1 year.	Total under 1 year.
Under 1 day.....	110	59	169	26.44	16.62	21.92
1 day to 1 week.....	97	62	159	23.32	17.46	20.62
1 week to 1 month.....	54	47	101	12.98	13.24	13.10
1 month to 2 months.....	31	29	60	7.45	8.17	7.78
2 months to 3 months.....	15	28	43	3.61	7.89	5.58
3 months to 4 months.....	14	15	29	3.37	4.23	3.76
4 months to 5 months.....	23	21	44	5.53	5.91	5.71
5 months to 6 months.....	10	16	26	2.40	4.51	3.37
6 months to 7 months.....	14	14	28	3.36	3.94	3.63
7 months to 8 months.....	10	11	21	2.41	3.10	2.72
8 months to 9 months.....	9	13	22	2.16	3.66	2.85
9 months to 10 months.....	11	20	31	2.64	5.63	4.02
10 months to 11 months.....	14	11	25	3.37	3.10	3.24
11 months to 12 months.....	4	9	13	.96	2.54	1.69
Total.....	416	355	771	100.00	100.00	100.00

TABLE 5.—*Number and age of decedents in the District of Columbia 70 years of age and over during the calendar year 1922.*

Age.	White.		Colored.		Total.	Age.	White.		Colored.		Total.
	Male.	Female.	Male.	Female.			Male.	Female.	Male.	Female.	
70 years.....	35	48	14	22	119	89 years.....	5	11	2	1	19
71 years.....	23	22	5	8	68	90 years.....	4	11	1	4	20
72 years.....	31	33	11	11	106	91 years.....	5	8	2	1	15
73 years.....	38	39	5	4	86	92 years.....	3	2	.....	1	6
74 years.....	25	39	7	4	75	93 years.....	2	3	.....	.....	5
75 years.....	36	57	6	14	113	94 years.....	1	3	.....	2	6
76 years.....	32	33	.....	6	71	95 years.....	3	1	.....	2	6
77 years.....	42	41	1	6	90	96 years.....	1	1	1	1	4
78 years.....	36	42	4	3	85	97 years.....	.....	1	.....	.....	1
79 years.....	23	37	3	2	65	98 years.....	.....	.....	.....	1	1
80 years.....	22	38	5	8	73	99 years.....	.....	.....	.....	.....	1
81 years.....	25	41	3	5	74	100 years.....	.....	1	.....	.....	1
82 years.....	29	27	.....	56	103 years.....	.....	.....	.....	1	1	1
83 years.....	20	30	5	2	57	110 years.....	.....	.....	1	1	1
84 years.....	19	23	2	2	46	116 years.....	.....	1	.....	.....	1
85 years.....	14	21	5	3	49	121 years.....	.....	.....	1	.....	1
86 years.....	14	18	4	2	38	Total..	506	685	92	119	1,402
87 years.....	11	10	2	1	24						
88 years.....	7	14	3	1	25						

TABLE 9.—*Estimated population, deaths (stillbirths excluded), and death rate in the District of Columbia, by race and calendar years, from 1901 to 1922.*

Year.	Population.			Deaths.			Death rates.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	Total.
1901-1905 ¹	217,606	93,719	311,325	3,395	2,617	6,012	15.60	28.20	19.41
1906-1910 ¹	240,244	96,693	336,940	3,626	2,678	6,304	15.09	27.69	18.71
1911-1915 ¹	255,162	98,281	353,443	3,665	2,523	6,188	14.35	25.63	17.49
1916-1920 ¹	307,076	103,194	410,270	4,512	2,608	7,120	14.76	24.70	17.33
1921.....	341,662	112,364	454,026	3,978	2,079	6,057	11.64	18.50	13.34
1922.....	341,662	112,364	454,026	4,043	2,232	6,305	11.83	20.13	13.89

¹ Average for 5-year period.TABLE 10.—*Summary of deaths (stillbirths excluded) in the District of Columbia of children under 1 year of age, by sex and color, and by months and years.*

Calendar year.	White.		Colored.		Grand total.		
	Male.	Female.	Male.	Female.	White.	Colored.	Total.
1901-1905 ¹	297	218	353	297	515	650	1,165
1906-1910 ¹	297	225	319	273	522	592	1,114
1911-1915 ¹	239	172	231	193	411	424	835
1916-1920 ¹	242	187	189	164	429	353	782
1921.....	256	177	170	148	433	318	751
1922.....	241	175	190	165	416	355	771

¹ Annual average for 5-year period.

TABLE 11.—*Births and deaths (stillbirths excluded) in the district of Columbia, by races under 1 year of age and from 1 to 4 years, inclusive.*

Years.	White.			Colored.			Total.		
	Births.	Deaths under 1 year.	Deaths 1 to 4 years.	Births.	Deaths under 1 year.	Deaths 1 to 4 years.	Births.	Deaths under 1 year.	Deaths 1 to 4 years.
1901-1905 ¹	3,429	519	168	1,980	650	246	5,409	1,169	414
1906-1910 ¹	4,632	522	163	2,268	592	200	6,900	1,114	363
1911-1915 ¹	4,794	411	123	2,234	424	154	7,028	835	277
1916-1920 ¹	5,746	429	167	2,279	353	151	8,025	782	318
1921.....	6,448	433	148	2,580	318	107	9,028	751	255
1922.....	6,503	416	117	2,618	355	80	9,121	771	197

¹ Annual average for 5-year period.TABLE 12.—*Deaths (stillbirths excluded) of infants under 1 day, and from 1 day to 1 week old, in the District of Columbia, with corresponding death rates based on registered births, during the years mentioned below.*

Years.	Registered births.			Deaths under 1 day.			Death rates under 1 day.			Deaths 1 to 7 days.			Death rates 1 to 7 days.		
	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.	W.	C.	All.
1901-1905 ¹	3,429	1,980	5,409	70	54	124	20.4	27.3	23.0	76	82	158	22.2	41.4	29.2
1906-1910 ¹	4,632	2,268	6,900	78	53	131	16.8	23.4	18.9	88	69	157	19.0	30.4	22.8
1911-1915 ¹	4,794	2,234	7,028	81	51	132	16.9	22.8	18.7	70	62	132	14.6	27.8	18.8
1916-1920 ¹	5,746	2,279	8,025	92	47	139	16.0	20.6	17.3	81	62	143	14.1	27.2	17.8
1921.....	6,448	2,580	9,028	113	64	177	17.5	24.8	19.6	85	53	138	13.2	20.5	15.3
1922.....	6,503	2,618	9,121	110	59	169	16.9	22.5	18.5	97	62	159	14.9	23.7	17.4

¹ Annual average for 5-year period.TABLE 13.—*Deaths (stillbirths excluded) and death rates in the District of Columbia, by race and by months, during the years mentioned below.*

Calendar year.	January.					February.					March.				
	White.		Colored.			White.		Colored.			White.		Colored.		
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death rate per 100,000 total population.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death rate per 100,000 total population.	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.	Monthly death rate per 100,000 total population.
1901-1905 ¹	323	148	251	268	184	307	141	228	243	171	332	152	226	241	179
1906-1910 ¹	338	140	237	245	170	325	135	224	231	163	343	142	257	264	178
1911-1915 ¹	344	135	224	228	161	340	133	217	220	157	374	146	240	244	174
1916-1920 ¹	501	163	278	262	188	412	134	234	220	156	424	138	244	229	162
1921.....	382	112	181	161	124	379	111	165	147	120	368	108	183	163	121
1922.....	499	146	197	175	153	374	109	194	173	125	400	117	240	214	141

¹ Annual average for 5-year period.

TABLE 13.—Deaths, (stillbirths excluded) and death rates in the District of Columbia, by race and by months, during the years mentioned below—Continued.

Calendar year.	April.					May.					June.				
	White.		Colored.		rate per 100,000 total pop- ulation.	White.		Colored.		rate per 100,000 total pop- ulation.	White.		Colored.		rate per 100,000 total pop- ulation.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.			
1901-1905 ¹	287	132	217	231	162	251	115	201	214	145	253	116	231	246	155
1906-1910 ¹	314	131	228	235	161	282	117	206	213	145	280	116	223	230	149
1911-1915 ¹	327	128	227	231	156	289	113	202	205	139	261	102	193	196	128
1916-1920 ¹	358	117	211	199	138	319	104	192	181	124	279	91	177	167	110
1921.....	380	111	171	152	121	304	89	179	159	106	299	88	173	154	104
1922.....	348	102	227	202	127	299	88	180	160	105	280	82	156	110	96

Calendar year.	July.					August.					September.				
	White.		Colored.		rate per 100,000 total pop- ulation.	White.		Colored.		rate per 100,000 total pop- ulation.	White.		Colored.		rate per 100,000 total pop- ulation.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.			
1901-1905 ¹	314	144	282	300	191	253	116	227	242	154	237	109	186	198	136
1906-1910 ¹	322	134	268	277	175	267	111	216	223	143	264	110	194	201	136
1911-1915 ¹	299	117	221	224	147	258	101	205	208	131	261	102	187	190	127
1916-1920 ¹	301	98	210	198	124	277	90	189	178	113	286	93	185	174	114
1921.....	298	87	180	160	121	270	79	176	156	98	281	82	133	118	91
1922.....	285	83	160	142	98	290	85	171	152	102	249	73	164	146	91

Calendar year.	October.					November.					December.				
	White.		Colored.		rate per 100,000 total pop- ulation.	White.		Colored.		rate per 100,000 total pop- ulation.	White.		Colored.		rate per 100,000 total pop- ulation.
	Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.	Deaths.	Monthly death rate per 100,000.		Deaths.	Monthly death rate per 100,000.			
1901-1905 ¹	270	124	198	211	150	271	125	185	197	146	297	136	217	231	165
1906-1910 ¹	278	116	205	212	143	280	117	196	203	141	334	139	224	232	166
1911-1915 ¹	282	110	207	210	138	300	118	201	204	142	330	129	200	202	150
1916-1920 ¹	279	109	209	253	205	351	114	184	173	129	423	138	232	218	158
1921.....	330	97	205	182	118	327	96	136	121	102	360	105	197	175	123
1922.....	312	91	170	151	106	353	103	194	173	120	354	104	209	186	131

¹ Annual average for 5-year period.

TABLE 14.—Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below.

Year.	1 Aneurism.						2 Angina pectoris.						3 Apoplexy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.
1901-1905 ¹	4	3	7	1.8	3.2	2.2	18	4	22	8.3	4.3	7.1	177	91	268	81.3	97.1	86.8
1906-1910 ¹	6	7	13	2.5	7.2	3.8	15	4	19	6.2	4.1	5.6	216	111	327	90.0	114.8	97.8
1911-1915 ¹	7	8	15	2.7	8.0	4.2	20	5	25	7.8	5.1	7.1	273	140	413	106.9	142.2	116.7
1916-1920 ¹	7	12	19	2.3	11.3	4.6	28	4	32	9.1	3.7	7.9	338	153	491	110.1	144.1	118.8
1921.....	12	9	21	3.5	8.0	4.6	40	1	41	11.7	0.9	9.0	325	138	463	95.1	122.8	102.0
1922.....	21	12	33	6.1	10.7	7.3	65	4	69	19.0	3.6	15.2	328	163	491	96.0	145.0	108.2

Year.	4 Arteriosclerosis.						5 Bright's disease.						6 Cirrhosis of liver.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.
1901-1905 ¹	29	6	35	13.3	6.4	11.2	233	127	360	107.1	135.5	115.6	27	7	34	12.4	7.5	10.9
1906-1910 ¹	71	13	84	20.5	13.4	21.9	23	159	442	117.8	164.5	131.2	33	10	43	13.7	10.3	12.8
1911-1915 ¹	98	22	120	38.4	22.3	33.9	347	197	544	135.8	200.1	153.7	34	8	42	13.3	8.0	11.9
1916-1920 ¹	152	24	176	49.4	22.6	42.6	345	204	549	112.3	192.1	132.8	24	5	29	7.8	4.7	7.0
1921.....	146	37	183	42.7	32.9	40.3	332	163	495	97.1	145.0	109.0	15	11	26	4.4	9.8	6.1
1922.....	153	28	181	44.8	24.9	39.9	325	156	482	95.4	138.8	106.2	18	7	25	5.3	6.2	5.5

Year.	7 Diabetes.						8 Diarrhea and enteritis (under 2 years).						9 Diarrhea and enteritis (2 years and over).					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.
1901-1905 ¹	27	4	31	12.4	4.3	9.9	126	197	323	57.9	210.2	103.8	56	26	82	25.7	27.7	26.3
1906-1910 ¹	37	4	41	15.4	4.1	12.2	128	177	305	53.3	183.1	90.5	50	22	72	20.8	22.7	21.4
1911-1915 ¹	50	8	58	19.5	8.0	16.3	81	111	192	31.7	112.7	54.2	43	20	63	16.8	20.3	17.8
1916-1920 ¹	50	16	66	16.3	15.1	15.9	88	91	179	29.0	85.7	43.3	42	26	68	13.7	21.5	16.5
1921.....	51	18	69	14.9	16.0	15.2	70	49	119	20.5	43.6	26.2	39	16	55	11.4	14.3	12.1
1922.....	56	22	78	16.4	19.6	17.2	47	60	107	13.7	53.4	23.6	32	22	54	9.4	19.6	11.9

Year.	10 Diseases of the heart.						11 Dysentery.						12 Epilepsy.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.	W.	C.	To-tal.
1901-1905 ¹	277	216	493	127.3	230.5	158.4	13	10	23	6.0	10.7	7.4	14	10	24	6.4	10.7	7.7
1906-1910 ¹	332	236	568	138.3	244.1	168.6	7	9	16	2.9	9.3	4.7	13	9	22	5.4	9.3	6.5
1911-1915 ¹	461	277	738	180.5	281.3	208.5	4	3	7	1.6	3.0	2.0	10	11	21	3.9	11.1	5.9
1916-1920 ¹	491	236	727	159.8	222.2	175.9	3	4	7	0.9	3.8	1.7	9	8	17	2.9	7.5	4.1
1921.....	483	207	690	141.4	184.2	152.0	5	4	9	1.5	3.6	2.0	6	0	6	1.8	...	1.3
1922.....	504	217	721	147.5	193.1	158.9	2	2	4	0.6	1.8	0.9	6	6	12	1.8	5.3	2.6

¹ Annual average for 5-year period.

TABLE 14.—*Number of deaths and relative mortality of certain specified diseases, contagious and otherwise, for the years mentioned below—Continued.*

Year.	13 Gastritis.						14 Grippe.						15 Insanity.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	44	24	68	20.2	25.6	21.8	51	38	89	23.4	40.5	28.6	27	8	35	12.4	8.5	11.2
1906-1910 ¹	41	32	73	17.1	33.1	21.7	52	44	96	21.6	45.5	28.5	25	11	36	10.4	11.4	10.7
1911-1915 ¹	25	29	54	19.8	29.5	15.3	40	31	71	15.7	31.5	20.1	41	22	63	16.1	12.2	317.8
1916-1920 ¹	14	17	31	4.6	16.0	7.5	437	145	582	142.3	136.5	140.8	51	25	76	16.6	25.5	18.4
1921.....	17	16	33	5.0	14.2	7.3	24	10	34	7.0	8.9	7.5	33	17	50	9.6	15.2	11.0
1922.....	15	19	34	4.1	16.9	7.5	25	16	41	7.3	14.2	9.0	30	21	51	8.8	18.6	11.3

Year.	16 Malarial fevers.						17 Malignant growths.						18 Pneumonia, all forms.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	12	11	23	5.5	11.7	7.4	166	52	218	76.3	55.5	70.6	219	288	507	100.6	307.3	162.9
1906-1910 ¹	5	6	11	2.1	6.2	3.2	212	61	276	88.3	66.2	81.9	216	304	559	102.5	314.0	163.2
1911-1915 ¹	2	1	3	0.8	1.0	0.8	259	80	339	101.4	81.2	95.8	262	285	547	102.6	289.5	154.6
1916-1920 ¹	1	1	2	0.3	3.9	0.5	325	89	414	105.8	83.8	100.1	427	381	808	139.1	135.8	195.5
1921.....	1	1	2	0.3	3.9	0.4	390	107	497	114.1	95.2	109.5	282	267	549	82.5	237.6	120.9
1922.....	3	0	3	0.9	0.0	0.6	381	105	486	111.5	92.5	107.1	343	296	639	100.3	263.3	140.8

Year.	19 Rheumatism, acute and chronic.						20 Rabies.						21 Softening of the brain.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	25	10	35	11.5	10.6	11.2	.....	.....	.....	.....	.....	.....	12	6	18	5.5	6.4	5.7
1906-1910 ¹	29	11	40	13.1	8.3	11.4	.....	.....	.....	.....	.....	.....	15	6	21	8.7	6.2	6.2
1911-1915 ¹	15	9	24	5.9	9.1	6.8	.....	.....	.....	.....	.....	.....	6	2	8	2.3	2.0	2.3
1916-1920 ¹	15	4	19	4.9	3.8	4.6	.....	.....	.....	.....	.....	.....	2	1	3	0.6	0.9	0.7
1921.....	6	5	11	1.7	4.4	2.4	.....	.....	.....	.....	.....	.....	3	0	3	0.9	.....	0.6
1922.....	15	9	24	4.4	8.0	5.2	.....	.....	.....	.....	.....	.....	2	0	2	0.6	.....	0.4

Year.	22 Suicides.						23 Steam railroad accidents.						24 Street railroad accidents.					
	Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.			Deaths.			Death rates per 100,000.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	46	5	51	21.1	5.3	16.4	18	6	24	8.3	6.4	7.7	6	2	8	2.8	2.1	2.6
1906-1910 ¹	62	9	71	25.8	9.3	21.1	18	7	25	7.5	7.2	7.4	11	4	15	4.6	4.1	4.4
1911-1915 ¹	71	10	81	27.8	10.2	22.9	7	1	8	2.7	1.0	2.3	12	3	15	4.7	3.0	4.2
1916-1920 ¹	60	8	68	19.5	7.5	16.4	8	2	10	2.6	1.9	2.4	12	4	16	3.9	3.8	3.9
1921.....	182	2	184	53.2	1.8	40.5	2	0	2	0.6	.....	0.4	10	1	11	2.9	0.9	2.4
1922.....	61	6	67	17.9	5.3	14.7	5	1	6	1.5	0.9	1.3	8	3	11	2.3	2.7	2.4

¹ Annual average 5-year period.

TABLE 15.—Deaths in the District of Columbia from cancers and other malignant tumors, by race and sex, for the years mentioned below.

Calendar year.	White.		Colored.		Total.		
	M.	F.	M.	F.	M.	F.	All.
1901-1904 ¹	61	105	14	39	75	144	219
1906-1910 ¹	88	124	17	47	105	171	276
1911-1915 ¹	104	156	26	53	130	209	339
1916-1920 ¹	128	195	29	60	157	255	412
1921.....	166	224	41	66	207	290	497
1922.....	163	218	31	74	194	292	486

¹ Annual average for 5-year period.

TABLE 16.—Deaths in the District of Columbia from cancers and other malignant growths arranged with reference to sex, race, marital relation, age, and organs involved, during the calendar year 1921.

Location.	Total.	White.		Colored.		Marital relation.			Age.										
		Male.	Female.	Male.	Female.	Married or wid- owed.	Single.	Unknown.	Under 5 years.	5 to 9 years.	10 to 19 years.	20 to 29 years.	30 to 39 years.	40 to 49 years.	50 to 59 years.	60 to 69 years.	70 to 79 years.	80 to 89 years.	90 years and over.
Head, face, neck, etc.:																			
Jaw.....	6	4	1	.....	1	6	.....	.....	.....	.....	.....	.....	1	1	1	2	.....	1	.....
Lip.....	2	1	1	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....
Oesophagus.....	12	10	2	.....	.....	9	2	1	.....	.....	.....	.....	1	2	5	2	2	.....	.....
Pharynx.....	1	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Face.....	3	1	1	1	.....	2	1	.....	1	.....	.....	.....	.....	.....	.....	2	.....	.....	.....
Tongue.....	13	9	.....	2	2	11	1	1	.....	.....	.....	.....	.....	3	3	5	2	.....	.....
Eye.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Larynx.....	5	5	.....	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	4	.....	.....
Neck.....	7	6	1	.....	.....	4	3	.....	.....	.....	.....	.....	2	.....	1	2	1	1	.....
Parotid.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....
Temporal region	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....
Throat.....	8	7	.....	1	.....	5	3	.....	.....	.....	.....	.....	1	1	2	3	.....	.....	.....
Forehead.....	2	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2	.....	.....
Antrum of Highmore.....	2	.....	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....	1	.....	1	.....	.....
Digestive system:																			
Intestines.....	56	11	31	6	8	43	11	2	.....	.....	.....	2	3	9	13	14	10	5	.....
Liver.....	41	19	18	2	2	34	7	.....	.....	.....	.....	.....	1	2	4	10	14	8	2
Pancreas.....	9	4	4	.....	1	7	.....	2	.....	.....	.....	.....	.....	4	2	1	2	.....	.....
Stomach.....	111	48	30	16	17	94	13	4	.....	.....	.....	.....	5	10	27	45	15	9	.....
Female genital or- gans:																			
Breast.....	57	1	40	.....	16	44	12	1	.....	.....	.....	.....	4	12	12	18	7	3	1
Ovary.....	3	.....	3	.....	.....	1	2	.....	.....	.....	.....	.....	.....	1	1	1	.....	.....	.....
Uterus.....	79	.....	55	.....	24	69	7	3	.....	.....	1	2	6	26	17	18	8	1	.....
Unclassified:																			
Abdomen.....	8	1	7	.....	.....	6	2	.....	.....	.....	.....	.....	.....	.....	1	3	4	.....	.....
Arm.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Axilla.....	2	2	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bladder.....	13	6	6	.....	1	9	4	.....	.....	.....	.....	.....	1	.....	3	3	5	1	.....
Groin.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kidney.....	5	2	2	1	.....	4	1	.....	.....	.....	.....	.....	1	.....	1	2	1	.....	.....
Knee.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Leg.....	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Lung.....	10	5	5	.....	.....	7	3	.....	.....	.....	1	1	3	.....	3	2	.....	.....	.....
Mediastinum.....	2	1	1	.....	.....	1	1	.....	.....	.....	1	1	.....	.....	.....	.....	.....	.....	.....
Omentum.....	1	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....
Pelvic organs.....	2	.....	1	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	1	1	.....	.....	.....
Penis.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Peritoneum.....	3	2	1	.....	.....	2	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....	1	.....
Prostate.....	8	7	.....	1	.....	7	.....	1	.....	.....	.....	.....	.....	.....	2	3	3	.....	.....
Sarcomatosis.....	5	1	3	.....	1	4	1	.....	.....	.....	.....	.....	.....	1	2	1	.....	.....	.....
Testicles.....	1	1	.....	.....	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....
Vertebrae.....	1	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	.....
Total.....	486	163	218	31	74	394	77	15	2	.....	1	9	30	79	111	144	80	28	2

TABLE 17.—*Anterior poliomyelitis, acute: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1912 to 1922, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1912-1915 ¹		2	2		2.0	0.6	5	2	7	2.0	2.0	2.0	100.0		28.6
1916-1920 ¹	2		2	.6		.6	10	2	12	3.2	1.9	2.9	20.0		16.6
1921.....	6	1	7	1.7	.9	1.5	37	3	40	10.8	2.7	8.8	16.2	33.3	17.5
1922.....							5	0	5	1.4	0	1.1			

¹ Annual average for 5-year period.TABLE 17a.—*Anterior poliomyelitis, acute: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	0	0	0	0	0	0	0	0	0
1 to 4 years.....	0	0	0	0	0	0	0	0	0
5 to 9 years.....	3	0	0	0	0	0	3	0	0
10 to 19 years.....	2	0	0	0	0	0	2	0	0
20 to 29 years.....	0	0	0	0	0	0	0	0	0
30 to 39 years.....	0	0	0	0	0	0	0	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
70 years and over.....	0	0	0	0	0	0	0	0	0
Total.....	5	0	0	0	0	0	5	0	0

TABLE 17b.—*Anterior poliomyelitis, acute: Reported cases and deaths, by race and by months, during the calendar year 1922.*

Month.	White.		Co'ored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	0	0	0	0	0	0
February.....	0	0	0	0	0	0
March.....	0	0	0	0	0	0
April.....	0	0	0	0	0	0
May.....	0	0	0	0	0	0
June.....	0	0	0	0	0	0
July.....	1	0	0	0	1	0
August.....	0	0	0	0	0	0
September.....	0	0	0	0	0	0
October.....	3	0	0	0	3	0
November.....	0	0	0	0	0	0
December.....	1	0	0	0	1	0
Total.....	5	0	0	0	5	0

TABLE 18.—*Chicken pox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1907 to 1922, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1907-1910.....	0.25		0.25				478	103	581	196.8	106.3	171.0	0.05		0.4
1911-1915.....							726	174	900	284.5	177.0	254.6			
1916-1920.....							943	175	1,118	307.1	164.8	270.5			
1921.....							1,008	134	1,240	294.4	119.2	251.1			
1922.....							969	217	1,186	283.6	193.1	261.2			

¹ Annual average for 5-year period.TABLE 18a.—*Chicken pox: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	35	0	0	12	0	0	47	0	0
1 to 4 years.....	198	0	0	48	0	0	246	0	0
5 to 9 years.....	571	0	0	83	0	0	654	0	0
10 to 19 years.....	115	0	0	41	0	0	154	0	0
20 to 29 years.....	33	0	0	25	0	0	50	0	0
30 to 39 years.....	15	0	0	8	0	0	23	0	0
40 to 49 years.....	2	0	0	0	0	0	2	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
70 years and over.....	0	0	0	0	0	0	0	0	0
Total.....	969	0	0	217	0	0	1,186	0	0

TABLE 18b.—*Chicken pox: Reported cases and deaths, by race and by months, during the calendar year 1922.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	175	0	45	0	220	0
February.....	133	0	51	0	184	0
March.....	135	0	34	0	169	0
April.....	122	0	34	0	156	0
May.....	147	0	20	0	167	0
June.....	90	0	3	0	93	0
July.....	15	0	2	0	17	0
August.....	3	0	0	0	3	0
September.....	7	0	0	0	7	0
October.....	10	0	4	0	14	0
November.....	35	0	7	0	42	0
December.....	97	0	17	0	114	0
Total.....	969	0	217	0	1,186	0

TABLE 19.—*Diphtheria: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1896 to 1922, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	37	17	54	17.0	18.0	17.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1905-1910 ¹	24	8	32	10.0	8.0	10.0	391	61	452	166.2	61.2	133.5	6.1	13.1	7.1
1911-1915 ¹	20	4	24	7.8	4.1	6.8	402	105	507	157.5	106.8	140.6	4.8	3.8	4.7
1916-1920 ¹	46	12	58	14.9	11.3	13.7	711	125	836	231.6	117.7	202.3	6.5	9.6	6.9
1921.....	52	5	57	15.2	4.5	12.5	863	72	935	252.6	64.1	205.9	6.0	6.9	6.1
1922.....	39	5	44	11.4	4.4	9.7	623	112	735	181.8	99.7	161.9	6.3	4.5	5.9

¹ Annual average for 5-year period.TABLE 19a.—*Diphtheria: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	20	3	10.5	8	.....	.....	28	3	10.6
1 to 4 years.....	153	15	9.8	27	2	7.4	173	17	9.8
5 to 9 years.....	233	15	6.4	37	3	8.1	275	18	6.5
10 to 19 years.....	123	3	2.4	22	.....	.....	147	3	2.0
20 to 29 years.....	48	1	2.1	8	.....	.....	56	1	1.7
30 to 39 years.....	30	.....	.....	5	.....	.....	35	.....	.....
40 to 49 years.....	14	2	14.3	4	.....	.....	18	2	11.1
50 to 59 years.....	2	.....	.....	1	.....	.....	3	.....	.....
60 to 69 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
70 years and over.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	623	39	6.2	112	5	4.4	735	44	5.9

TABLE 19b.—*Diphtheria: Reported cases and deaths, by race and by months, during the calendar year 1922.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	90	5	12	.....	102	5
February.....	61	5	23	.....	84	5
March.....	47	1	6	2	53	3
April.....	35	1	4	.....	39	1
May.....	54	6	9	.....	63	6
June.....	20	2	.....	.....	20	2
July.....	14	1	12	1	26	2
August.....	16	.....	7	.....	23	.....
September.....	43	1	6	.....	49	1
October.....	69	4	6	.....	75	4
November.....	95	8	19	1	114	9
December.....	79	5	8	1	87	6
Total.....	623	39	112	5	735	44

TABLE 20.—*Measles: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1922, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	10	5	15	5.0	5.0	5.0									
1906-1910 ¹	10	5	15	4.0	5.0	4.0									
1911-1915 ¹	8	3	11	3.1	3.1	3.1	2,188	549	2,737	857.5	538.6	774.4	0.4	0.5	0.4
1916-1920 ¹	12	2	14	3.9	1.9	3.4	2,486	337	2,843	809.5	336.2	687.1	.5	.6	.5
1921.....	9	2	11	2.6	1.8	2.4	3,489	668	4,157	1,021.2	594.5	915.6	.2	.3	.2
1922.....							424	79	503	121.1	70.3	110.8			

¹ Average for 5-year period.TABLE 20a.—*Measles: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	17	0	0	2	0	0	19	0	0
1 to 4 years.....	152	0	0	24	0	0	176	0	0
5 to 9 years.....	210	0	0	34	0	0	244	0	0
10 to 19 years.....	28	0	0	13	0	0	41	0	0
20 to 29 years.....	13	0	0	5	0	0	18	0	0
30 to 39 years.....	3	0	0	1	0	0	4	0	0
40 to 49 years.....	1	0	0	0	0	0	1	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
70 years and over.....	0	0	0	0	0	0	0	0	0
Total.....	424	0	0	79	0	0	503	0	0

TABLE 20b.—*Measles: Reported cases and deaths, by race and by months, during the calendar year 1922.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	10	0	3	0	13	0
February.....	22	0	2	0	24	0
March.....	21	0	2	0	23	0
April.....	58	0	4	0	62	0
May.....	102	0	9	0	111	0
June.....	111	0	19	0	130	0
July.....	56	0	9	0	65	0
August.....	9	0	0	0	9	0
September.....	4	0	1	0	5	0
October.....	2	0	0	0	2	0
November.....	7	0	1	0	8	0
December.....	22	0	29	0	51	0
Total.....	424	0	79	0	503	0

TABLE 21.—*Meningitis, epidemic cerebrospinal: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1922, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	6	4	10	2.8	4.3	3.2									
19 6-1910 ¹	9	7	16	3.7	7.2	4.7									
1911-1915 ¹	3	1	4	1.2	1.0	1.1	4	2	6	1.6	2.0	1.7	75.0	50.0	66.6
1916-1920 ¹	8	4	12	2.6	3.8	2.9	26	9	35	8.4	8.4	8.4	30.8	44.4	34.3
1921.....	3	1	4	.9	.9	.9	7	1	8	2.0	0.9	1.8	42.9	100.0	50.0
1922.....	1	0	1	0.3	0.0	0.2	2	0	2	0.5	0	0.4	50.0	0	50.0

¹ Annual average for 5-year period.TABLE 21a.—*Epidemic cerebrospinal meningitis: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of death's to cases.	Cases.	Deaths.	Per-centage of death's to cases.	Cases.	Deaths.	Per-centage of death's to cases.
Under 1 year.....	1	1	100.0	0	0	0	1	1	100.0
1 to 4 years.....	0	0	0	0	0	0	0	0	0
5 to 9 years.....	0	0	0	0	0	0	0	0	0
10 to 19 years.....	0	0	0	0	0	0	0	0	0
20 to 29 years.....	0	0	0	0	0	0	0	0	0
30 to 39 years.....	0	0	0	0	0	0	0	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
70 years and over.....	1	0	0	0	0	0	1	0	0
Total.....	2	1	50.0	0	0	0	2	1	50.0

TABLE 21b.—*Epidemic cerebrospinal meningitis: Reported cases and deaths, by race and by months, during the calendar year 1922.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	1	1	0	0	1	1
February.....	0	0	0	0	0	0
March.....	0	0	0	0	0	0
April.....	0	0	0	0	0	0
May.....	0	0	0	0	0	0
June.....	0	0	0	0	0	0
July.....	0	0	0	0	0	0
August.....	0	0	0	0	0	0
September.....	0	0	0	0	0	0
October.....	0	0	0	0	0	0
November.....	0	0	0	0	0	0
December.....	1	0	0	0	1	0
Total.....	2	1	0	0	2	1

TABLE 22.—Pellagra: Deaths and death rates, cases and case rates, per 100,000 population and percentage of deaths to cases, according to race, from 1913 to 1922, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1913-1915 ¹	2	9	11	0.8	9.2	3.1	4	12	16	1.6	12.2	4.5	50.0	75.0	68.8
1916-1920 ¹	5	4	9	1.6	3.7	2.2	7	6	13	2.3	5.7	3.1	71.4	66.7	69.2
1921.....	2	1	3	.6	.9	.7	4	1	5	1.2	1.0	1.1	50.0	100.0	60.0
1922.....	1	1	2	.3	.9	.4	1	1	2	.3	.9	.4	100.0	100.0	100.0

¹ Annual average for 5-year period.

TABLE 22a.—Pellagra: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	0	0	0	0	0	0	0	0	0
1 to 4 years.....	0	0	0	0	0	0	0	0	0
5 to 9 years.....	0	0	0	0	0	0	0	0	0
10 to 19 years.....	0	0	0	0	0	0	0	0	0
20 to 29 years.....	0	0	0	0	0	0	0	0	0
30 to 39 years.....	0	0	0	0	0	0	0	0	0
40 to 49 years.....	0	0	0	1	1	0	1	1	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
70 years and over.....	1	1	0	0	0	0	1	1	0
Total.....	1	1	100.0	1	1	100.0	2	2	100.0

TABLE 22b.—Pellagra: Reported cases and deaths, by race and by months, during the calendar year 1922.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	0	0	0	0	0	0
February.....	0	0	0	0	0	0
March.....	0	0	0	0	0	0
April.....	0	0	0	0	0	0
May.....	0	0	0	0	0	0
June.....	0	0	0	0	0	0
July.....	0	0	1	1	1	1
August.....	0	0	0	0	0	0
September.....	1	1	0	0	1	1
October.....	0	0	0	0	0	0
November.....	0	0	0	0	0	0
December.....	0	0	0	0	0	0
Total.....	1	1	1	1	2	2

TABLE 23.—Scarlet fever: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1922, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	7	1.0	8	3.0	1.0	3.0	480	46	526	199.5	48.0	154.9	1.9	4.3	2.1
1903-1910 ¹	9	2.0	11	4.0	2.0	3.0	402	36	438	157.5	36.6	123.9	1.5	1.1	1.4
1911-1915 ¹	6	.4	6	2.3	.4	1.7	621	66	687	102.2	62.2	166.2	1.3	.....	1.2
1916-1920 ¹	8	.4	8	2.6	.3	1.9	785	68	853	229.8	60.5	187.9	1.0	1.5	1.1
1921.....	8	1.0	9	2.3	.9	2.0	395	83	478	115.6	73.9	105.3	.8	.....	.6
1922.....	3	.....	3	.8	.....	.7									

¹ Annual average for 5-year period.

TABLE 23a.—Scarlet fever: Cases and deaths, with percentage of deaths to cases, at certain age periods during the calendar year 1922.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	10	0	0	3	0	0	13	0	0
1 to 4 years.....	94	2	0	11	0	0	100	2	2.0
5 to 9 years.....	142	1	0	40	0	0	182	1	.5
10 to 19 years.....	102	0	0	20	0	0	127	0	0
20 to 29 years.....	29	0	0	8	0	0	37	0	0
30 to 39 years.....	10	0	0	1	0	0	11	0	0
40 to 49 years.....	8	0	0	0	0	0	8	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	0	0	0	0	0	0	0	0	0
70 years and over.....	0	0	0	0	0	0	0	0	0
Total.....	395	3	0.7	83	0	0	478	3	.6

TABLE 23b.—Scarlet fever: Reported cases and deaths, by race and by months, during the calendar year 1922.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	64	1	13	0	77	1
February.....	56	0	2	0	58	0
March.....	39	0	2	0	41	0
April.....	26	1	3	0	29	1
May.....	22	0	3	0	25	0
June.....	6	0	8	0	14	0
July.....	4	0	3	0	7	0
August.....	5	0	7	0	12	0
September.....	16	0	3	0	19	0
October.....	41	0	15	0	56	0
November.....	37	0	13	0	50	0
December.....	79	1	11	0	90	1
Total.....	395	3	83	0	478	3

TABLE 24.—*Smallpox: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1922, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	1.0	2.0	3.0	0.5	2.1	1.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906-1910 ¹.....	.4	.4	.8	.2	.4	.2	28	53	81	11.1	54.6	24.1	.....	.....	.....
1911-1915 ¹.....	.....	.....	.....	.....	.....	.....	19	51	70	7.4	51.9	19.8	.....	.....	.....
1916-1920 ¹	1.0	.....	1.0	.3	.....	.2	21	44	65	6.9	41.4	15.7	4.7	.....	1.5
1921.....	.....	.....	.....	.....	.....	.....	42	24	66	12.3	21.4	14.5	.....	.....	.....
1922.....	.....	.....	.....	.....	.....	.....	24	42	66	7.0	37.3	14.5	.....	.....	.....

¹ Annual average for 5-year period.TABLE 24a.—*Smallpox: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	0	0	0	1	0	0	1	0	0
1 to 4 years.....	4	0	0	3	0	0	7	0	0
5 to 9 years.....	0	0	0	1	0	0	1	0	0
10 to 19 years.....	5	0	0	7	0	0	12	0	0
20 to 29 years.....	7	0	0	13	0	0	20	0	0
30 to 39 years.....	5	0	0	7	0	0	12	0	0
40 to 49 years.....	1	0	0	5	0	0	6	0	0
50 to 59 years.....	1	0	0	4	0	0	5	0	0
60 to 69 years.....	1	0	0	0	0	0	1	0	0
70 years and over.....	0	0	0	1	0	0	1	0	0
Total.....	24	0	0	42	0	0	66	0	0

TABLE 24b.—*Smallpox: Reported cases and deaths, by race and by months, during the calendar year 1922.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	1	0	12	0	13	0
February.....	1	0	14	0	15	0
March.....	10	0	10	0	20	0
April.....	4	0	3	0	7	0
May.....	7	0	3	0	10	0
June.....	1	0	0	0	1	0
July.....	0	0	0	0	0	0
August.....	0	0	0	0	0	0
September.....	0	0	0	0	0	0
October.....	0	0	0	0	0	0
November.....	0	0	0	0	0	0
December.....	0	0	0	0	0	0
Total.....	24	0	42	0	66	0

TABLE 25.—*Tuberculosis, reportable forms: Deaths and death rates, cases and case rates, per 100,000 population and percentage of deaths to cases, according to race, from 1908 to 1922, inclusive.*

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1908-1910.....	277	392	669	112.8	102.4	195.1	570	637	1,207	231.7	654.1	351.5	48.6	61.6	55.5
1911-1915 ¹	318	429	747	124.6	136.5	211.3	567	587	1,154	222.2	597.3	326.5	56.1	73.1	64.7
1916-1920 ¹	296	342	638	96.4	22.1	154.4	696	485	1,121	207.1	456.7	271.3	46.5	70.5	56.9
1921.....	156	213	369	45.7	189.5	81.3	788	479	1,267	230.6	426.3	279.1	19.8	44.5	29.1
1922.....	266	269	535	77.9	239.4	117.8	860	475	1,335	251.7	422.7	294.0	30.9	56.6	40.1

¹ Annual average for 5-year period.TABLE 25a.—*Tuberculosis, reportable forms: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.*

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	19	7	36.8	6	4	66.6	25	11	44.
1 to 4 years.....	13	3	23.1	6	3	50.0	19	6	32.1
5 to 9 years.....	19	4	21.0	7	4	57.1	26	8	30.7
10 to 19 years.....	63	18	28.5	47	32	68.1	110	50	45.4
20 to 29 years.....	319	75	23.5	188	96	51.1	507	171	33.7
30 to 39 years.....	195	48	24.6	112	60	53.5	307	108	35.1
40 to 49 years.....	101	37	36.6	62	38	61.2	163	75	46.0
50 to 59 years.....	75	41	54.6	24	19	79.2	99	60	60.6
60 to 69 years.....	39	17	43.6	15	10	66.6	54	27	50.0
70 and over.....	17	16	94.1	8	3	37.5	25	19	76.0
Total.....	860	266	30.9	475	269	56.6	1,335	535	40.1

TABLE 25b.—*Tuberculosis reportable forms: Reported cases and deaths, by race and by months, during the calendar year 1922.*

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	65	28	33	14	98	42
February.....	78	18	34	14	112	32
March.....	74	28	72	39	146	67
April.....	75	26	45	29	120	55
May.....	105	31	34	25	139	56
June.....	83	23	40	17	123	40
July.....	78	20	31	15	109	35
August.....	58	20	34	22	92	42
September.....	72	17	37	24	109	44
October.....	51	17	34	16	85	33
November.....	68	17	39	25	107	42
December.....	53	18	42	29	95	47
Total.....	860	266	475	269	1,335	535

TABLE 26.—*Tuberculosis, pulmonary: Reported cases and deaths occurring in the District of Columbia from 1901 to 1922, inclusive, arranged by race and by months and years.*

Year.	January.				February.				March.				April.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1901-1905 ¹.....	.....	.....	33	43	.....	.....	31	41	.....	.....	35	38	.....	.....	36	42
1906-1910 ¹.....	.....	.....	28	40	.....	.....	32	35	.....	.....	32	45	.....	.....	30	44
1911-1915 ¹	47	50	25	33	46	42	21	33	50	58	28	40	55	50	29	33
1916-1920 ¹	49	38	25	25	50	36	21	29	55	42	31	28	69	41	27	29
1921.....	59	37	20	21	56	43	16	21	65	41	24	19	81	43	25	22
1922.....	53	31	19	19	64	43	14	24	67	66	22	32	67	41	19	29

Year.	May.				June.				July.				August.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1901-1905 ¹.....	.....	.....	29	37	.....	.....	31	36	.....	.....	23	35	.....	.....	27	37
1906-1910 ¹.....	.....	.....	25	36	.....	.....	24	29	.....	.....	21	34	.....	.....	25	28
1911-1915 ¹	48	53	27	36	43	48	25	32	52	51	27	36	37	39	22	29
1916-1920 ¹	57	42	27	29	51	41	20	41	56	45	19	28	52	40	20	28
1921.....	59	33	24	28	48	38	16	16	56	47	11	24	79	31	15	24
1922.....	103	32	27	23	69	40	24	19	77	28	18	13	56	31	17	25

Year.	September.				October.				November.				December.			
	Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.		Cases.		Deaths.	
	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.	W.	C.
1901-1905 ¹.....	.....	.....	25	29	.....	.....	27	32	.....	.....	30	32	.....	.....	27	36
1906-1910 ¹.....	.....	.....	24	25	.....	.....	25	35	.....	.....	19	35	.....	.....	29	38
1911-1915 ¹	49	44	20	26	40	38	20	51	40	38	25	28	38	35	24	29
1916-1920 ¹	43	33	18	24	46	38	21	27	49	31	21	23	41	45	20	22
1921.....	69	34	13	14	42	38	19	32	100	24	8	15	64	54	13	23
1922.....	70	33	11	24	51	32	13	20	67	38	16	22	51	39	14	27

¹ Annual average 5-year period.

SUMMARY.

Year.	Cases.		Deaths.		Total.	
	White.	Colored.	White.	Colored.	Cases.	Deaths.
1901-1905 ¹.....	.....	.....	354	438	.....	792
1906-1910 ¹.....	.....	.....	314	434	.....	748
1911-1915 ¹	537	549	299	386	1,086	685
1916-1920 ¹	618	428	319	313	1,090	588
1921.....	779	463	204	259	1,242	463
1922.....	805	454	214	277	1,259	491

¹ Annual average 5-year period.

TABLE 27.—Typhoid fever: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1922 inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	99	64	163	45.0	68.0	52.0									
1906-1910 ¹	73	46	119	30.0	48.0	35.0	660	237	897	274.3	244.9	265.9	11.0	19.6	13.0
1911-1915 ¹	33	26	59	12.9	26.4	16.7	343	137	480	134.4	139.4	135.0	9.6	19.0	12.3
1916-1920 ¹	18	20	38	5.9	18.8	9.2	161	73	234	52.4	68.7	56.6	11.2	27.4	16.2
1921.....	17	12	29	5.0	10.7	6.4	161	34	195	47.1	30.3	42.9	10.6	35.3	14.9
1922.....	16	7	23	4.7	6.2	5.1	165	23	188	48.3	20.5	41.4	9.7	30.4	12.2

¹ Annual average for 5-year period.

TABLE 27a.—Typhoid fever: Cases and deaths with percentage of deaths to cases at certain age periods, during the calendar year 1922.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	0	0	0	0	0	0	0	0	0
1 to 4 years.....	5	0	0	0	0	0	5	0	0
5 to 9 years.....	11	0	0	3	0	0	14	0	0
10 to 19 years.....	42	1	2.3	8	0	0	50	1	2.0
20 to 29 years.....	50	2	4.0	4	2	50.0	54	4	7.4
30 to 39 years.....	33	4	12.1	4	3	75.0	37	7	18.9
40 to 49 years.....	10	4	40.0	4	2	50.0	14	6	42.8
50 to 59 years.....	10	3	30.0	0	0	0	10	3	30.0
60 to 69 years.....	2	1	50.0	0	0	0	2	1	50.0
70 years and over.....	2	1	50.0	0	0	0	2	1	50.0
Total.....	165	16	9.7	23	7	30.4	188	23	12.2

TABLE 27b.—Typhoid fever: Reported cases and deaths, by race and by months, during calendar year 1922.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	5	1	0	0	5	1
February.....	6	0	0	0	6	0
March.....	4	0	0	0	4	0
April.....	1	0	2	1	3	1
May.....	37	1	2	0	39	1
June.....	27	4	1	2	28	6
July.....	16	1	6	1	22	2
August.....	21	2	3	0	24	2
September.....	14	2	4	2	18	4
October.....	17	1	3	0	20	1
November.....	8	3	1	0	9	3
December.....	9	1	1	1	10	2
Total.....	165	16	23	7	188	23

TABLE 28.—Whooping cough: Deaths and death rates, cases and case rates, per 100,000 population, and percentage of deaths to cases, according to race, from 1901 to 1922, inclusive.

Year.	Deaths.			Death rates per 100,000.			Cases.			Case rate per 100,000.			Percentage of deaths to cases.		
	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.	W.	C.	Total.
1901-1905 ¹	27	50	77	12.0	53.0	25.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1906-1910 ¹	15	23	38	6.0	24.0	11.0	.....	.....	.....	.....	.....	.....	.....	.....	.....
1911-1915 ¹	10	19	29	3.9	19.3	8.2	525	197	722	205.8	200.4	204.3	1.9	9.6	4.0
1916-1920 ¹	11	16	27	3.6	15.0	6.5	1,149	270	1,419	374.2	254.3	343.4	0.9	5.9	1.9
1921.....	5	5	10	1.5	4.4	2.2	932	161	1,093	272.8	143.3	240.7	0.5	3.1	0.9
1922.....	3	3	6	0.9	2.7	1.3	452	93	545	132.3	82.7	120.0	0.6	3.2	1.1

¹ Annual average for 5-year period.

TABLE 28A.—Whooping cough: Cases and deaths, with percentage of deaths to cases, at certain age periods, during the calendar year 1922.

Age.	White.			Colored.			Total.		
	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.	Cases.	Deaths.	Per-centage of deaths to cases.
Under 1 year.....	44	2	4.5	8	1	12.5	52	3	5.7
1 to 4 years.....	195	1	.5	42	2	4.7	241	3	1.2
5 to 9 years.....	193	0	0	32	0	0	221	0	0
10 to 19 years.....	11	0	0	11	0	0	22	0	0
20 to 29 years.....	5	0	0	0	0	0	5	0	0
30 to 39 years.....	2	0	0	0	0	0	2	0	0
40 to 49 years.....	0	0	0	0	0	0	0	0	0
50 to 59 years.....	0	0	0	0	0	0	0	0	0
60 to 69 years.....	2	0	0	0	0	0	2	0	0
70 years and over.....	0	0	0	0	0	0	0	0	0
Total.....	452	3	0.6	93	3	3.2	545	6	1.1

TABLE 28B.—Whooping cough: Reported cases and deaths, by race and by months, during the calendar year 1922.

Month.	White.		Colored.		Total.	
	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
January.....	24	0	5	0	29	0
February.....	26	0	6	0	32	0
March.....	16	0	4	0	20	0
April.....	26	0	1	0	27	0
May.....	25	0	9	1	34	1
June.....	34	0	20	0	54	0
July.....	26	0	9	1	35	1
August.....	42	1	4	0	46	1
September.....	28	2	6	0	34	2
October.....	38	0	7	0	45	0
November.....	40	0	16	1	56	1
December.....	127	0	6	0	133	0
Total.....	452	3	93	3	545	6

TABLE 29.—*Population and deaths, by race, in the District of Columbia, from pneumonia, bronchitis, and congestion of the lungs, and from said diseases taken together, and showing also the death rate per 100,000 of each of such classes of deaths.*

Calendar year.	Population.		Pneumonia.				Bronchitis.			
			White.		Colored.		White.		Colored.	
	White.	Colored.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1901-1905 ¹	217,606	93,719	219	101	288	307	55	25	80	85
1906-1910 ¹	240,244	96,696	246	102	304	314	61	25	67	69
1911-1915 ¹	255,360	98,453	262	103	285	289	51	20	42	43
1916-1920 ¹	307,076	105,194	427	139	382	360	43	14	31	29
1921.....	341,662	112,364	282	83	267	138	36	10	36	32
1922.....	341,662	112,364	343	100	296	263	30	9	29	26

Calendar year.	Population.		Congestion of lungs.				Pneumonia, bronchitis, and congestion of lungs.			
			White.		Colored.		White.		Colored.	
	White.	Colored.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.	Deaths.	Death rate per 100,000.
1901-1905 ¹	217,606	93,719	33	15	25	27	307	141	393	419
1906-1910 ¹	240,244	96,696	27	11	13	13	334	139	384	397
1911-1915 ¹	255,360	98,453	13	5	7	7	326	128	334	339
1916-1920 ¹	307,076	105,194	7	2	2	2	476	155	415	391
1921.....	341,662	112,364	2	1	5	4	320	94	308	274
1922.....	341,662	112,364	6	2	2	2	379	111	327	291

¹ Annual average for 5-year period.TABLE 30.—*Showing births (stillbirths excluded) reported in the District of Columbia, by race and sex and by months, during the calendar year 1922.*

Month.	Total.	White.		Colored.		Twins.		Illegitimate.		Attended by physicians.		Attended by midwives.	
		Male.	Fe. male.	Male.	Fe. male.	W.	C.	W.	C.	W.	C.	W.	C.
January.....	775	270	274	117	114	4	2	8	34	531	208	13	23
February.....	745	287	233	115	110	4	2	10	40	505	211	15	14
March.....	832	305	308	118	101	18	2	15	32	578	203	35	16
April.....	717	280	230	103	104	6	0	11	47	496	192	14	15
May.....	762	296	289	116	91	¹ 11	0	17	34	532	193	23	14
June.....	821	305	269	123	124	¹ 21	8	8	44	566	236	8	11
July.....	712	266	248	107	91	¹ 9	4	10	40	494	190	20	8
August.....	854	346	284	116	108	6	4	13	37	609	211	21	13
September.....	732	247	248	109	128	8	8	11	35	474	223	21	14
October.....	739	273	256	109	101	6	0	6	26	509	201	20	9
November.....	703	255	247	98	103	10	4	15	33	484	188	18	13
December.....	729	255	259	111	104	10	6	5	39	500	203	14	12
Total, by sex and race.....	3,355	3,145	1,342	1,279	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total, by race.....	.....	6,500	2,621	113	40	129	441	6,278	2,459	222	162	.....	.....
Total for year.....	9,121	.....	9,121	153	470	8,737	384	.....	.....	.....	.....	.....	.....

¹ Triplets.

TABLE 31.—*Reported births (stillbirths excluded) in institutions in the District of Columbia, by race and place of birth, during the calendar year 1922.*

Hospitals.	White.	Colored.	Total.
Blue Plains.....	.....	4	4
Carson's Private.....	.....	6	6
Casualty.....	3	3	6
Columbia.....	991	395	1,386
Freedmens.....	2	358	360
Florence Crittenden.....	41	.....	41
Gallinger.....	5	55	60
Garfield.....	496	86	582
Georgetown.....	402	49	451
George Washington.....	171	.....	171
Homeopathic.....	157	.....	157
Providence.....	447	.....	447
St. Ann's.....	42	.....	42
St. Elizabeths.....	2	.....	2
Sibley.....	1,096	.....	1,096
Walter Reed.....	224	.....	224
Washington Asylum.....	5	50	55
Washington Mission.....	10	.....	10
Washington Sanatorium.....	3	.....	3
Total.....	4,097	1,006	5,103

TABLE 32.—*Births (stillbirths excluded) reported in the District of Columbia, arranged by race and by legitimacy and illegitimacy, and number of multiple births for the years mentioned.*

Calendar Years.	Legitimate.			Illegitimate.			Total.			Twins.			Triplets.		
	White.	Colored.	Total.	White.	Colored.	Total.	White.	Colored.	All.	White.	Colored.	Total.	White.	Colored.	Total.
1896-1900 ¹	2,712	1,380	4,092	86	491	577	2,798	1,871	4,669	71	42	113	1	.....	1
1901-1905 ¹	3,335	1,499	4,834	95	481	576	3,430	1,980	5,409	72	52	124	1	.....	3
1906-1910 ¹	4,533	1,786	6,319	99	482	581	4,632	2,268	6,900	84	46	130	1	1	2
1911-1915 ¹	4,690	1,769	6,459	104	464	568	4,794	2,234	7,028	78	52	130	1	1	2
1916-1920 ¹	5,641	1,889	7,530	105	391	496	5,746	2,279	8,025	105	50	155	.....	.....	.....
1921.....	6,321	2,171	8,492	127	409	536	6,448	2,580	9,028	96	58	154	.....	.....	.....
1922.....	6,371	2,180	8,551	129	441	570	6,500	2,621	9,121	113	40	153	3	3

¹ Annual average for 5-year period.

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TABLE 33.—Stillbirths reported in the District of Columbia during the calendar year 1922, by race and sex, and certain data relative thereto.

	White.			Colored.			Unknown race.			Total.
	Male.	Female.	Sex un-known.	Male.	Female.	Sex un-known.	Male.	Female.	Sex un-known.	
Legitimacy:										
Legitimate.....	129	93	2	79	74	.....	.....	.....	.....	377
Illegitimate.....	3	3	.....	25	27	.....	.....	.....	.....	58
Unknown.....	2	.....	.....	3	1	.....	17	17	20	60
Total.....	134	96	2	107	102	.....	17	17	20	495
Uterozestation period:										
4 months and under.....	10	4	.....	5	6	.....	4	.....	18	47
5 months.....	9	6	.....	6	4	.....	7	6	1	39
6 months.....	6	13	.....	13	18	.....	1	.....	.....	51
7 months.....	13	15	.....	16	11	.....	1	3	.....	60
8 months.....	25	13	1	13	20	.....	3	5	.....	80
9 months.....	35	25	.....	42	31	.....	1	.....	1	135
10 months.....	36	20	.....	12	12	.....	.....	3	.....	83
Total.....	134	96	2	107	102	.....	17	17	20	495
Reported by physicians.....	131	93	2	97	98	.....	1	1	.....	423
Reported by coroner.....	3	3	.....	10	4	.....	16	16	20	72
Total.....	134	96	2	107	102	.....	17	17	20	495
Causes:										
Unknown.....	77	47	1	63	61	.....	17	17	20	303
Prematurity.....	3	4	.....	2	1	.....	.....	.....	.....	10
Injury to mother.....	2	2	.....	.....	.....	.....	.....	.....	.....	4
Illness of mother.....	6	6	.....	2	2	.....	.....	.....	.....	16
Maternal fatigue.....	1	.....	.....	.....	1	.....	.....	.....	.....	2
Premature separation of placenta.....	6	4	.....	2	4	.....	.....	.....	.....	16
Malpresentation.....	6	4	.....	7	.....	.....	.....	.....	.....	17
Placenta previa.....	3	4	.....	2	3	.....	.....	.....	.....	12
Deformed pelvis.....	2	.....	.....	1	2	.....	.....	.....	.....	5
Strangulated funis.....	9	4	1	4	2	.....	.....	.....	.....	20
Toxaemia of pregnancy.....	3	5	.....	1	3	.....	.....	.....	.....	12
Hydramnios.....	2	1	.....	.....	.....	.....	.....	.....	.....	3
Cord around neck.....	5	1	.....	.....	.....	.....	.....	.....	.....	6
Syphilis.....	1	1	.....	11	14	.....	.....	.....	.....	27
Asphyxia.....	5	2	.....	2	1	.....	.....	.....	.....	10
Version.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Dystocia.....	2	3	.....	6	2	.....	.....	.....	.....	13
Monstrosity.....	1	1	.....	.....	.....	.....	.....	.....	.....	1
Tetanic uterus.....	.....	2	.....	.....	.....	.....	.....	.....	.....	2
Eclampsia, maternal.....	.....	2	.....	.....	1	.....	.....	.....	.....	3
Cerebral compression.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Dead in utero.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Over-developed head.....	.....	1	.....	.....	.....	.....	.....	.....	.....	1
Hydrocephalus.....	.....	.....	.....	1	1	.....	.....	.....	.....	2
Instrumental delivery.....	.....	.....	.....	1	.....	.....	.....	.....	.....	1
Anomalous cord.....	.....	.....	.....	2	.....	.....	.....	.....	.....	2
Caesarian section.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Shock.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Extra uterine pregnancy.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Intra cranial hemorrhage.....	.....	.....	.....	.....	1	.....	.....	.....	.....	1
Total.....	134	96	2	107	102	.....	17	17	20	495

